

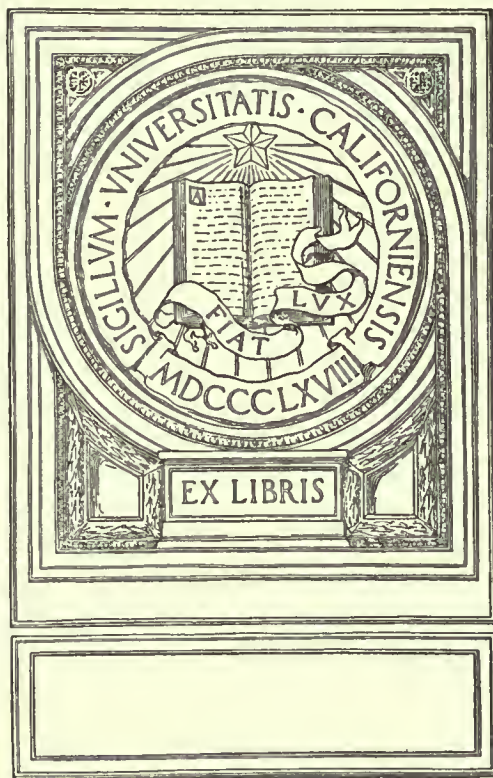
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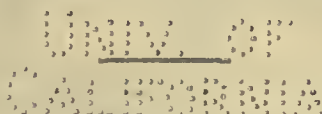
U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS
SAM. L. ROGERS, DIRECTOR

CENSUS OF WAR COMMODITIES

ANTIMONY AND GRAPHITE CRUCIBLES



Prepared under the supervision of EUGENE F. HARTLEY, Chief Statistician for Manufactures



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ANTIMONY.

In an endeavor to ascertain the stocks of antimony available for war activities and for the requirements of both peace and war industries, the Bureau of the Census gathered statistics from importers, dealers, and consumers under date of June 30, 1918. The smelters were canvassed by the Geological Survey. ✓

The statistics are shown in three tables and cover stocks of all classes of establishments, as of date June 30, 1918, and the output of various products containing antimony and their antimony contents for the calendar year 1917 and for the month of June, 1918.

Establishments.—The number of establishments is the number of reports received and not necessarily the number of individual plants, shops, works, or warehouses. In many cases one report covers a number of plants.

Tables.—Table 1 shows the antimony contents of stocks on hand, in transit within the United States

to the establishment reporting; afloat but not yet arrived in the United States, and stocks in process of manufacture. The stocks reported by wholesalers, jobbers, importers, and exporters—not manufacturers—and the stocks reported by the smelters, refiners, and manufacturers consuming stocks as material are shown separately. Some of the latter group import material.

Table 2 shows the statistics for imports and exports for the fiscal years ending June 30, 1918 and 1917.

Table 3 shows the statistics relating to consumption and production. The consumption of antimony for the calendar year 1917 and the month of June, 1918, is distributed: (1) According to the class of antimonial material used, and (2) according to the class of product. The table also gives the percentage distribution by character of material and by class of product, and shows the output of the various products.

Table 1.—STOCKS OF ANTIMONY JUNE 30, 1918.

[Antimony contents of stocks in process, on hand, in transit, and afloat from foreign countries.]

	Number of establishments.	TOTAL.		Stocks in process (pounds).	Stocks on hand (pounds).	Stocks in transit (pounds).	Stocks afloat (pounds).
		Pounds.	Per cent distribution.				
Total.....	751	22, 023, 700	100. 0	1, 812, 100	16, 617, 900	1, 624, 600	1, 969, 100
Reported by—							
Wholesalers, jobbers, importers, and exporters (not manufacturers).....	59	6, 949, 000	31. 6	.....	5, 450, 700	307, 000	1, 191, 300
Smelters, refiners (including ore smelters reporting to the Geological Survey), and consumers.....	692	15, 074, 700	68. 4	1, 812, 100	11, 167, 200	1, 317, 600	777, 800
CLASS OF MATERIAL.							
Antimony metal (regulus).....		13, 342, 600	60. 6	1, 029, 900	10, 053, 000	754, 500	1, 505, 200
Antimonial lead.....		4, 308, 800	19. 6	615, 900	3, 237, 500	455, 400	.....
Liquated antimony sulphide—crude or needle antimony.....		1, 719, 800	7. 8	51, 700	1, 175, 500	151, 600	341, 000
Antimony oxides and other salts, including red and yellow sulphides.....		1 715, 800	7. 8	101, 400	1, 403, 000	90, 500	120, 900
Antimony ore.....		936, 700	4. 2	13, 200	748, 900	172, 600	2, 000

Table 2.—IMPORTS AND EXPORTS OF ANTIMONY, YEARS ENDING JUNE 30, 1917 AND 1918.

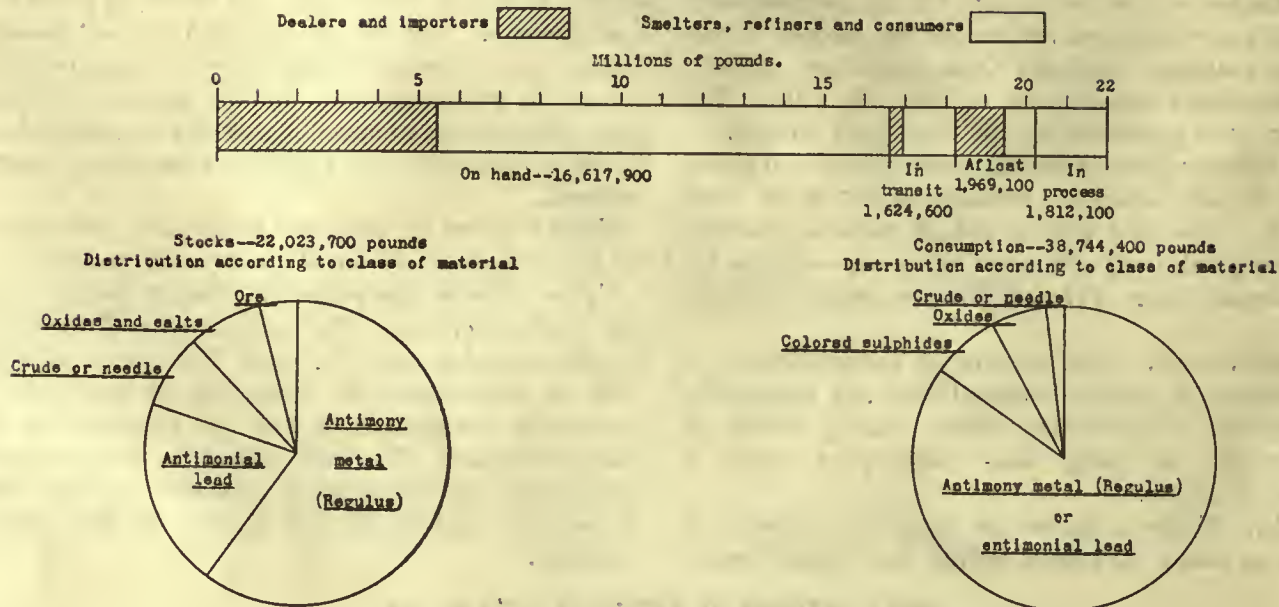
IMPORTS AND EXPORTS.	QUANTITY.		VALUE.	
	1918	1917	1918	1917
IMPORTS OF ANTIMONY.				
Ore:				
Gross tons.....	5, 280	7, 421	\$495, 953	\$1, 033, 885
Antimony, pounds.....	6, 526, 292	9, 636, 989		
Matte, regulus, or metal, pounds.....	33, 934, 515	17, 638, 290		
			3, 939, 174	2, 187, 036
EXPORTS OF FOREIGN. ¹				
Matte, regulus, or metal, pounds.....	379, 780	3, 001, 868	46, 503	659, 387

¹ No exports of domestic.

CENSUS OF WAR COMMODITIES.

STOCKS, JUNE 30, 1918: CONSUMPTION, 1917

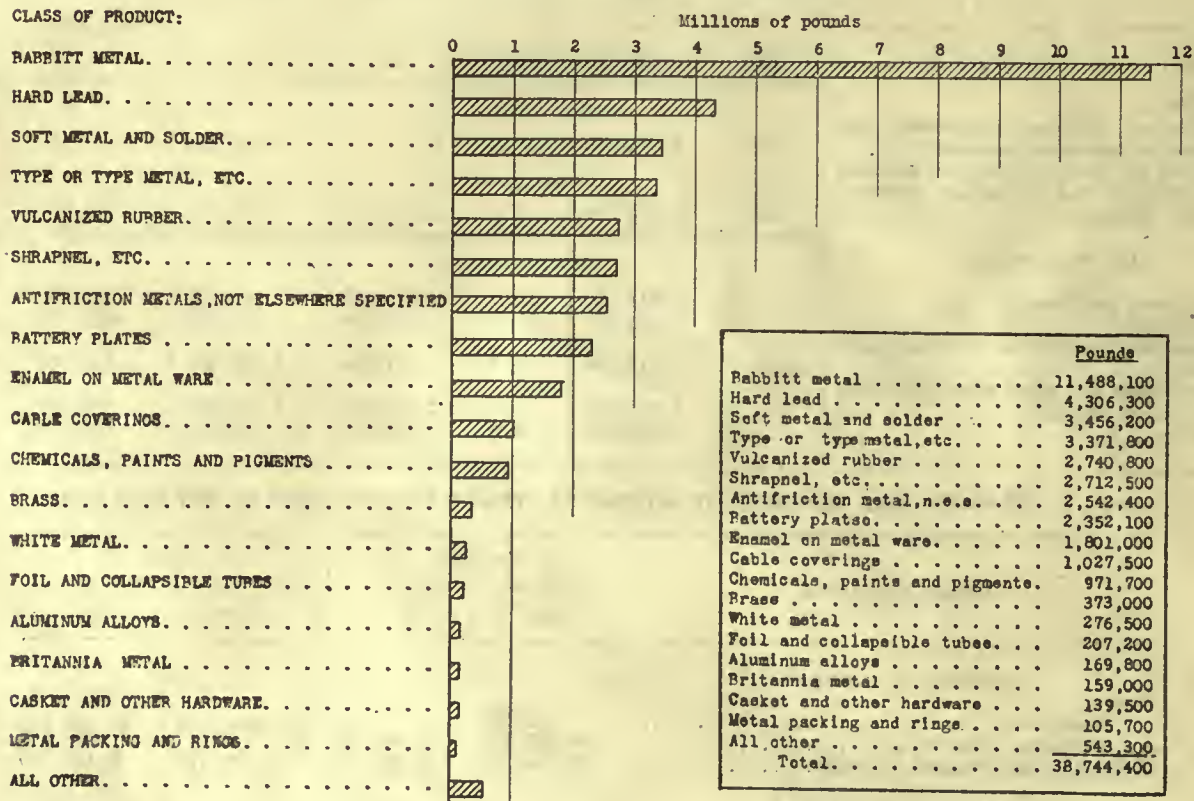
STOCKS: 22,023,700 POUNDS



CONSUMPTION

Distribution according to products

CLASS OF PRODUCT:



ANTIMONY.

5

Table 3.—CONSUMPTION AND PRODUCTION OF ANTIMONY FOR THE YEAR 1917 AND FOR JUNE, 1918.

[Consumption of antimony by kind of antimonial material used and by class of products, with output of products.]

MATERIAL AND PRODUCT.	Number of establishments.	1917		JUNE, 1918.		Per cent of total antimony consumption.	
		Output of product (pounds).	Antimony contents (pounds).	Output of product (pounds).	Antimony contents (pounds).	1917	June, 1918.
Total.....	683		38,744,400		3,631,600	100.0	100.0
ANTIMONIAL MATERIAL USED.							
Antimony metal.....			17,388,300		1,610,100	84.9	85.3
Antimony metal or antimonial lead.....			15,517,100		1,488,100		
Antimony oxides.....			2,248,300		139,700	5.8	3.9
Crude or needle antimony.....			805,200		79,900	2.1	2.2
Colored sulphides of antimony.....			2,785,500		313,800	7.2	8.6
CLASS OF PRODUCT.							
Babbitt metal.....	223	86,951,000	11,488,100	8,794,000	1,020,800	29.7	28.1
Hard lead, including pipe, traps, etc.....	63	43,270,000	4,306,300	5,596,000	443,000	11.1	12.2
Soft metal alloys and solder.....	6	34,427,000	3,456,200	3,678,000	369,700	8.9	10.2
Type and type metal, linotype, electrotpe, and stereotype.....	73	28,855,000	3,371,800	2,245,000	248,000	8.7	6.8
Vulcanized rubber and rubber goods.....	161	54,755,000	2,740,800	4,859,000	305,800	7.1	8.4
Shrapnel and other bullets.....	11	72,310,000	2,712,500	6,311,000	423,500	7.0	11.7
Bearing or antifriction metals not elsewhere specified.....	40	84,447,000	2,542,400	8,061,000	236,400	6.6	6.5
Battery plates.....	15	42,298,000	2,352,100	3,610,000	174,800	6.1	4.8
Enamel on metal ware.....	4	108,215,000	1,801,000	4,150,000	119,900	4.6	3.3
Cable coverings.....	9	102,517,000	1,027,500	4,182,000	42,000	2.7	1.1
Chemicals, paints, and pigments.....	17	2,268,000	971,700	192,000	82,400	2.5	2.3
Brass, including bronze.....	45	28,309,000	373,000	2,716,000	28,000	1.0	0.8
White metal and alloys.....	10	2,460,000	276,500	177,000	18,900	0.7	0.5
Foil and collapsible tubes.....	5	7,280,000	207,200	504,000	11,600	0.5	0.3
Aluminum alloys.....	11	4,697,000	169,800	318,000	22,600	0.4	0.6
Brittania metal.....	23	2,663,000	159,000	154,000	8,900	0.4	0.2
Casket, carriage, and other hardware and lighting fixtures.....	17	1,154,000	139,500	130,000	16,700	0.4	0.5
Metal packing and rings.....	3	754,000	105,700	66,000	9,100	0.3	0.3
Primers for explosives.....	7	17,780,000	82,200	302,000	9,300	0.2	0.3
Pattern metal and molds.....	17	602,000	41,300	70,000	4,500	0.1	0.1
Powdered antimony.....	3	110,000	10,800	8,000	300	(¹)	(¹)
Pewter.....	6	65,000	3,200	1,800	130	(¹)	(¹)
Antimony black.....	3	3,900	300	380	50	(¹)	(¹)
Other products ²		988,000	405,500	56,000	35,220	1.0	1.0

¹ Less than one-tenth of 1 per cent.

² Includes: Glassware, thermal couples, siphon tops, and undesignated products.

CENSUS OF WAR COMMODITIES.

SCHEDULE USED TO SECURE STATISTICS OF ANTIMONY.

CONFIDENTIAL—(WAR MEASURE)
To be forwarded not later than the 10th of each month

9-4281 [YY3-556]

DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS
SAM. L. ROGERS, DIRECTOR

STATISTICS OF ANTIMONY
EUGENE F. HARTLEY
CHIEF STATISTICIAN FOR MANUFACTURES

NAME OF ESTABLISHMENT.....

LOCATION OF ESTABLISHMENT: State....., City or town.....

ADDRESS OF GENERAL OFFICE.....

NATURE OF BUSINESS.....
(State whether manufacturer, wholesaler, jobber, or importer not exporter.)

IF A COMBINED REPORT, ENUMERATE PLANTS AND ESTABLISHMENTS COVERED BY THIS REPORT.
NAMES AND ADDRESSES.....

WASHINGTON, D. C., June 5, 1918.

A census of the stocks of antimony on hand and in transit, accurate data concerning which are absolutely necessary in the proper conduct and furtherance of the war, is authorized by the Secretary of Commerce under the provisions of section 5 of the organic act creating the Department of Commerce and Labor, as follows:

"That the Secretary of Commerce shall from time to time cause such special investigations and reports as he may be required to do by the President, or by either House of Congress, or which he himself may deem necessary and proper."

And the special authority of the President of the United States, under date of April 8, 1918, as follows: "The Secretary of Commerce is hereby authorized to cause the compilation by the Bureau of the Census of such statistical data within its lawful scope and relating to the supply, production, and consumption of commodities as may be needed and he called for by any branch of the Federal Government in connection with the conduct of the war."

Information regarding individual concerns will be kept strictly confidential, but aggregate statistics may be placed at the disposal of the trade.

The Bureau of the Census is cooperating with the Geological Survey in taking a complete census of stocks of antimony, its ores and compounds, and of antimonial lead in the United States. The Census Bureau is canvassing the importers, dealers, and consumers, and the Geological Survey the producers.

Important—The present war emergency demands the prompt cooperation of all interests that controlled information may be available to permit immediate and complete use of all facilities, the conservation of raw materials and efficient distribution thereof. Accurate and prompt replies are imperative.

SAM. L. ROGERS,
Director of the Census.

CERTIFICATE

THIS IS TO CERTIFY that the information contained in this schedule is complete and correct to the best of my knowledge and belief.

(Signature of person furnishing the information.)

Date, 1918.

(Official position.)

I. Stocks on 1918.

Stocks in Process.—In the case of manufacturers report in column (A) quantity tied up in partially manufactured products.

Stocks on Hand.—Report in column (B) quantity in possession in your own foundries or works, warehouses, storerooms, and other space owned or rented by you in the continental United States, whether you have title to it or not, not to include stocks in process of manufacture or stocks of finished manufactured products.

Stocks in Transit.—Report in column (C) quantity in the United States in transit to you from export or other point but not yet received, including those on docks or in customs warehouses, not to include stocks in your own warehouses or in the works or storage space of any other concern. Insure should and report any stock in transit to those which has been sold to a manufacturer, since the latter will report the same on his schedule.

Stocks Abroad.—Report in column (D) quantity in transit to you from foreign countries but not yet arrived in the United States, whether purchased directly or by other party for you. Dealers should not include stocks already sold to manufacturers, since the latter will return same on their schedule.

REPORT ANTIMONY CONTENT: POUNDS.

	TOTAL.	(A) Stocks in Process.	(B) Stocks on Hand.	(C) Stocks in Transit.	(D) Stocks Abroad.
Antimony ore (not including slightly antimonial lead ore).....					
Antimony metal (also known as regulus). Liquid antimony sulphide (also known as "red antimony" and "antimony antimony").....					
Antimony oxide and other salts of antimony, including red and yellow sulphides.....					
Antimonial lead.....					

II. Consumption of Antimony.

Report separately the principal products containing antimony, giving quantity of each manufactured and the percentage of antimony which it contains.

Kind of antimonial metal.	Class of Product.	Per cent of antimony in product.	Output of product last year (quantity).	Output of product last year (percentage of antimony in product).
Antimony black.....				
Powder.....				
Powdered antimony.....				
Brittania metal.....				
Sphyon tops.....				
Babbitt metal.....				
Brass.....				
Aluminum alloys.....				
Acid-resisting iron.....				
Thermal couples.....				
Other products (specify separately):.....				

II. Consumption of Antimony.—Continued.

Kind of antimonial metal.	Class of Product.	Per cent of antimony in product.	Output of product last year (quantity).	Output of product last year (percentage of antimony in product).
Antimony metal or antimonial lead.....	Other bearing or antifriction metals.....			
	Type and type metal, including linotype and stereotype.....			
	Battery plates.....			
	Strontal and other ballasts.....			
	Cable coverings.....			
	Hard lead.....			
	Tops.....			
	Other products (specify separately):.....			
Antimony oxide.....	Paint or paint pigments.....			
	Glassware.....			
	Pottery enamel.....			
	Enamel on metal ware.....			
	Artificial ivory.....			
	Other products (specify separately):.....			
"Creda" or "antimony".....	Primers for explosives.....			
	Smoke bombs.....			
	Safety matches.....			
	Other products (specify separately):.....			
Colored sulphide of antimony.....	Paint and paint pigments.....			
	Vulcanized rubber.....			
	Other products (specify separately):.....			

GRAPHITE CRUCIBLES.

The Census Bureau, at the request of the War Industries Board, issued a questionnaire to ascertain the stocks of graphite crucibles in the hands of the manufacturers of crucibles and the establishments using the same on June 30, 1918, and their requirements for the ensuing 12 months, followed by a second census as of date September 30, 1918. The accompanying tables present the statistics therefor.

Table 4 gives the data for stocks on hand and in transit to the establishment reporting, the number of crucibles in use, and the estimated requirements for the ensuing 12 months, as of June 30 and September 30, respectively, 1918, distributed as between the manufacturers of graphite crucibles and the users, the users being distributed by industries and by geographic divisions. The distribution by industries is on the basis of the general character of the business of the establishment reporting: (1) Establishments which are manufacturers of crucible steel; (2) brass, bronze, and aluminum foundries; (3) establishments engaged primarily in the manufacture of Babbitt

and other bearing metals and solder; and (4) all establishments that do not come distinctly in either of the other groups. Percentages of increase (or decrease) are shown for the intervening period.

Table 5 shows the number of establishments on the respective dates, June 30 and September 30, that reported stocks, in comparison with 1916-17, as larger, smaller, or normal, this feature of the questionnaire embracing other supplies involving crucible grades of graphite as well as graphite crucibles.

A few establishments reported stocks for jobbing as well as manufacturing purposes. The statistics for establishments doing solely a jobbing business and carrying stocks of graphite crucibles can not be given separately and they have been included with the users.

The crucibles are classified by size, the grouping adopted being No. 10 or smaller (under); Nos. 12 to 45, inclusive; Nos. 50 to 90, inclusive; and No. 100 and larger (over). Dimension data (Dixon) for the various sizes are here given:

SIZE.	Capacity.	OUTSIDE DIMENSIONS, INCHES.				SIZE.	Capacity.	OUTSIDE DIMENSIONS, INCHES.			
		Height.	Diameter.					Height.	Diameter.		
			Top.	Bilge.	Bottom.				Top.	Bilge.	Bottom.
No. 10.....	1½ quarts.....	8	6	6½	4½	No. 150.....	6½ gallons.....	18½	13½	14½	10½
No. 12.....	2 quarts.....	8	6½	6½	5	No. 175.....	7½ gallons.....	19½	14½	15½	10½
No. 45.....	2½ gallons.....	13	9½	10½	7½	No. 200.....	9½ gallons.....	20½	15	16½	11½
No. 50.....	2½ gallons.....	13½	10½	11½	7½	No. 225.....	10½ gallons.....	20½	15½	16½	12½
No. 90.....	4 gallons.....	15½	11½	12½	9	No. 250.....	10½ gallons.....	20½	15½	17	11½
No. 100.....	4½ gallons.....	16	11½	13½	9½	No. 275.....	11½ gallons.....	22½	15	16½	12½
No. 125.....	4½ gallons.....	16½	12½	13½	9½	No. 300.....	12½ gallons.....	22	16½	17½	12½

CENSUS OF WAR COMMODITIES.

Table 4.—STOCKS OF GRAPHITE CRUCIBLES ON HAND, IN TRANSIT, AND IN USE, AND

CLASS OF INDUSTRY, GEOGRAPHIC DIVISION, AND DATE, 1918.		Number of establishments.	STOCKS (NUMBER OF CRUCIBLES).						
			Total.	On hand.	In transit.	Total by size groups.			
						No. 10 or under.	Nos. 12-45.	Nos. 50-90.	No. 100 and over.
1	Total:								
2	Sept. 30.....	828	583, 117	547, 209	35, 908	35, 258	76, 628	395, 602	² 75, 629
	June 30.....	938	594, 432	560, 234	34, 198	28, 336	85, 505	404, 332	76, 259
3	Manufacturers of crucibles: ³								
4	Sept. 30.....	16	310, 753	310, 753	.....	30, 788	53, 487	191, 973	34, 505
	June 30.....	16	359, 001	359, 001	.....	24, 165	66, 074	226, 620	42, 142
5	Users (including dealers):								
6	Sept. 30.....	812	272, 364	236, 456	35, 908	4, 470	23, 141	203, 629	41, 124
	June 30.....	922	235, 431	201, 233	34, 198	4, 171	19, 431	177, 712	34, 117
USERS BY INDUSTRIES.									
7	Steel:								
8	Sept. 30.....	62	72, 552	65, 100	7, 452	204	2, 920	68, 577	851
	June 30.....	55	47, 140	35, 649	11, 491	224	2, 539	43, 500	877
9	Brass, bronze, and aluminum:								
10	Sept. 30.....	502	178, 470	153, 035	25, 435	2, 094	16, 939	124, 647	34, 790
	June 30.....	527	142, 921	126, 967	15, 954	1, 080	12, 751	101, 592	27, 498
11	Babbitt metal and solder:								
12	Sept. 30.....	19	1, 340	1, 116	224	278	570	138	354
	June 30.....	19	579	364	215	25	75	179	300
13	Miscellaneous:								
14	Sept. 30.....	229	20, 002	17, 205	2, 797	1, 894	2, 712	10, 267	5, 129
	June 30.....	321	44, 791	38, 253	6, 538	2, 842	4, 066	32, 441	5, 442
USERS BY DIVISIONS.									
15	New England:								
16	Sept. 30.....	121	80, 318	74, 729	5, 589	1, 802	3, 561	70, 997	3, 958
	June 30.....	134	79, 328	74, 115	5, 213	286	4, 973	68, 606	5, 463
17	Middle Atlantic:								
18	Sept. 30.....	302	111, 748	100, 313	11, 435	1, 226	5, 903	85, 196	19, 423
	June 30.....	346	82, 030	67, 055	14, 975	1, 668	5, 768	59, 370	15, 224
19	East North Central:								
20	Sept. 30.....	264	65, 484	49, 229	16, 255	1, 008	12, 763	38, 123	13, 590
	June 30.....	296	60, 699	50, 604	10, 095	1, 950	7, 662	41, 019	10, 068
21	West North Central:								
22	Sept. 30.....	37	1, 693	1, 482	211	185	437	589	482
	June 30.....	42	2, 091	1, 799	292	14	474	770	833
23	South Atlantic:								
24	Sept. 30.....	28	10, 113	7, 895	2, 218	195	296	6, 926	2, 696
	June 30.....	31	8, 133	4, 830	3, 303	166	309	6, 002	1, 656
25	East South Central:								
26	Sept. 30.....	14	1, 427	1, 404	23	.....	71	1, 286	70
	June 30.....	17	1, 598	1, 462	136	.....	60	1, 377	161
27	West South Central:								
28	Sept. 30.....	6	108	90	18	.....	9	95	4
	June 30.....	7	191	174	17	13	24	139	15
29	Mountain:								
30	Sept. 30.....	9	175	123	52	.....	27	80	68
	June 30.....	10	113	104	9	.....	44	32	37
31	Pacific:								
32	Sept. 30.....	31	1, 298	1, 191	107	54	74	337	833
	June 30.....	39	1, 248	1, 090	158	74	117	397	660

¹ A minus sign (—) denotes decrease.² Sizes larger than 100, reported separately and included in the 100-and-over group.

CRUCIBLES.	No. 125.	No. 150.	No. 175.	No. 200.	No. 225.	No. 250.	No. 275.	No. 300.	No. 400.	Larger than No. 400.
Stocks.....	1, 866	2, 991	724	1, 038	798	125	297	196	1, 134	17
In use.....	93	186	16	120	84	31	39	9	132	4
Requirements.....	3, 156	8, 558	82	3, 691	4, 385	1, 000	1, 914	497	2, 846	.....

³ Distribution by states: Connecticut 3 establishments; Illinois, 1; Massachusetts, 1; New Jersey, 4; and Pennsylvania, 7.

GRAPHITE CRUCIBLES.

9

ESTIMATED REQUIREMENTS FOR ENSUING 12 MONTHS, JUNE 30 AND SEPTEMBER 30, 1918.

NUMBER OF CRUCIBLES IN USE.					ESTIMATED REQUIREMENTS FOR ENSUING 12 MONTHS (NUMBER OF CRUCIBLES).					PER CENT OF INCREASE. ¹				
Total.	By size groups.				Total.	By size groups.				Number of establishments.	Stocks not in use.	Stocks in use.	Requirements.	
	No. 10 or under.	Nos. 12-45.	Nos. 50-90.	No. 100 and over.		No. 10 or under.	Nos. 12-45.	Nos. 50-90.	No. 100 and over.					
25,333	743	3,401	18,233	² 2,956	1,790,138	19,951	63,890	1,537,543	² 168,754	-11.7	-1.9	-11.9	4.4	1
28,745	527	3,993	21,358	2,867	1,713,867	11,725	89,397	1,459,813	152,932	.....	.....	.....	.....	2
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	-13.4	.....	.....	3
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4
25,333	743	3,401	18,233	2,956	1,790,138	19,951	63,890	1,537,543	168,754	-11.9	15.7	-11.9	4.4	5
28,745	527	3,993	21,358	2,867	1,713,867	11,725	89,397	1,459,813	152,932	.....	.....	.....	.....	6
.....														
8,626	17	26	8,528	55	678,094	181	3,770	672,004	2,139	12.7	53.9	-7.7	22.0	7
9,343	28	43	9,187	85	556,015	267	3,734	549,070	2,944	.....	.....	.....	.....	8
14,658	370	2,978	9,125	2,185	1,058,958	11,265	53,476	842,879	151,338	-4.7	24.9	-2.7	24.3	9
15,069	114	3,364	9,536	2,055	852,089	3,406	74,461	644,051	130,171	.....	.....	.....	.....	10
64	12	15	25	12	6,156	5,052	352	353	399	.....	131.4	.....	147.7	11
64	11	10	25	18	2,485	24	202	887	1,372	.....	.....	.....	.....	12
1,985	344	382	555	704	46,930	3,453	6,292	22,307	14,878	-28.7	-55.3	-53.5	-84.5	13
4,269	374	576	2,610	709	303,278	8,028	11,000	265,805	18,445	.....	.....	.....	.....	14
.....														
6,223	379	386	5,156	302	577,474	9,500	14,802	517,855	35,317	-9.7	1.2	-10.4	-2.2	15
6,947	80	803	5,739	325	590,687	446	27,103	538,505	24,633	.....	.....	.....	.....	16
11,346	164	597	9,359	1,226	874,690	7,283	12,340	775,736	79,331	-12.7	36.2	-11.3	15.8	17
12,797	202	844	10,550	1,201	755,538	6,047	15,468	653,283	80,740	.....	.....	.....	.....	18
6,698	188	2,229	3,220	1,061	314,575	2,921	34,655	229,485	47,514	-10.8	7.9	-15.2	-8.2	19
7,900	225	2,149	4,547	979	342,735	4,844	44,080	254,235	39,576	.....	.....	.....	.....	20
224	7	80	78	59	5,382	32	1,186	2,753	1,411	-11.9	-19.0	17.3	-10.7	21
191	4	67	80	40	6,028	14	1,406	2,715	1,893	.....	.....	.....	.....	22
335	2	26	198	109	12,768	154	442	9,292	2,880	-9.7	24.3	-13.0	0.6	23
385	12	40	203	130	12,694	332	876	7,909	3,577	.....	.....	.....	.....	24
59	.....	11	28	20	951	.....	122	377	452	-17.6	-10.7	1.7	-20.6	25
58	.....	8	23	27	1,197	.....	63	637	497	.....	.....	.....	.....	26
14	.....	3	10	1	561	.....	4	557	.....	-14.3	-43.4	-57.6	-13.5	27
33	2	5	23	3	844	20	52	725	47	.....	.....	.....	.....	28
26	.....	12	12	2	416	.....	78	258	80	-10.0	54.9	-21.2	-6.5	29
33	.....	15	14	4	445	.....	123	214	108	.....	.....	.....	.....	30
408	3	57	172	176	3,321	61	261	1,230	1,769	-20.5	4.0	1.7	-10.2	31
401	2	62	179	158	3,699	22	226	1,590	1,861	.....	.....	.....	.....	32

CENSUS OF WAR COMMODITIES.

Table 5.—COMPARISON OF STOCKS OF GRAPHITE CRUCIBLES WITH NORMAL FOR 1916 AND 1917.

CLASS OF INDUSTRY AND DATE, 1918.	Total number of establishments.	STOCKS OF CRUCIBLES.			OTHER SUPPLIES INVOLVING CRUCIBLE GRADES OF GRAPHITE.			
		Number of establishments reporting same as—			Number of establishments reporting same as—			
		Large.	Small.	Normal or not reporting.	Large.	Small.	Normal.	None or not reporting.
Total:								
Sept. 30.....	828	129	175	524	8	35	355	430
June 30.....	938	129	194	615	6	36	294	602
Manufacturers of crucibles:								
Sept. 30.....	16	4	7	5	2	5	8	1
June 30.....	16	6	4	6	3	3	9	1
Users (including dealers):								
Sept. 30.....	812	125	168	519	6	30	347	429
June 30.....	922	123	190	609	3	33	285	601
Steel:								
Sept. 30.....	62	10	10	42	1	1	28	32
June 30.....	55	8	9	38	.....	2	20	33
Brass, bronze, and aluminum:								
Sept. 30.....	502	83	108	311	3	15	227	257
June 30.....	527	69	117	341	2	18	168	339
Babbitt metal and solder:								
Sept. 30.....	19	1	1	17	.....	.....	8	11
June 30.....	19	2	5	12	.....	.....	4	15
Miscellaneous:								
Sept. 30.....	229	31	49	149	2	14	84	129
June 30.....	321	44	59	218	1	13	93	214

SCHEDULE USED TO SECURE STATISTICS OF GRAPHITE CRUCIBLES.

CONFIDENTIAL—(WAR MEASURE)
To be forwarded within 10 days

[YY7-560]

DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS
SAM. L. ROGERS, DIRECTOR

STATISTICS OF GRAPHITE CRUCIBLES

FOR QUARTER ENDING..... 1918
EUGENE F. HARTLEY
CHIEF STATISTICIAN FOR MANUFACTURERS

NAME OF ESTABLISHMENT.....

ADDRESS OF GENERAL OFFICE.....

LOCATION OF ESTABLISHMENT: State..... City or town.....

Separate plant reports are desired; if this is impracticable, combined reports for plants by states will be accepted. If a combined report, give here the names and locations of plants.

State whether manufacturer, wholesaler, jobber, importer, or exporter.....

General designation of goods.....

WASHINGTON, D. C., July 11, 1918.

A census of the stocks of graphite crucibles (black lead or phosphae) on hand, in transit, and in use, accurate data concerning which are absolutely necessary to the proper conduct and furtherance of the war, is authorized by the Secretary of Commerce under the provisions of section 8 of the organic act creating the Department of Commerce and Labor, as follows:

"That the Secretary of Commerce '... shall '... from time to time make such special investigations and reports as he may be required to do by the President, or by either House of Congress, or which he himself may deem necessary and urgent."

And the special authority of the President of the United States, under date of April 8, 1918, is as follows: "The Secretary of Commerce is hereby authorized to cause the completion by the Bureau of the Census of such statistical data within its lawful scope and relating to the supply, production, and consumption of commodities as may be needed and be called for by any branch of the Federal Government in connection with the conduct of the war."

Information regarding individual concerns will be kept strictly confidential, but aggregate statistics may be placed at the disposal of the trade.

Important!—The present war emergency demands the patriotic cooperation of all interests that controlled information may be available to permit immediate and complete use of all facilities, the conservation of raw materials and efficient distribution thereof. Accurate and prompt replies are imperative.

SAM. L. ROGERS,
Director of the Census.

CERTIFICATE

THIS IS TO CERTIFY that the information contained in this schedule is complete and correct to the best of my knowledge and belief.

(Signature of person furnishing the information.)

Date, 1918. (This and address.)

GRAPHITE CRUCIBLES

Include in this inventory all graphite (black lead or phosphae) crucibles on hand in your own foundries, works, warehouses, and storehouses without regard to whether they are owned by you or by someone else; also graphite crucibles in transit to you, and stocks in use.

(A) STOCKS ON HAND.—Report number of crucibles classified by size actually on hand in your own foundries, works, warehouses, and storehouses, but not in use. It should include those actually in your possession whether you have title to them or not.

(B) STOCKS IN TRANSIT.—Report number of crucibles classified by size in transit to you, whether from points in the United States or abroad, but not yet received. If from abroad, in state. Do not include stocks in transit which have been sold, as they will be reported by the purchaser.

(C) STOCKS IN USE.—Report number of crucibles classified by size in use in your own foundries or works.

(D) ESTIMATED REQUIREMENTS.—If a manufacturer or a user of graphite crucibles, report number of new crucibles classified by size that will probably be required under present business conditions for the ensuing 12 months.

L.—Crucible stocks:

Crucible size (Classified by shape)	(A) On hand (Number)	(B) In transit (Number)	(C) In use (Number)	(D) Estimated requirements for ensuing 12 months (Number)
No. 10 or smaller				
No. 12 to 45				
No. 50 to 80				
No. 100 and over				
Other sizes (specify size):				

II.—Are these stocks larger or smaller than normal for 1916-1917?.....

III.—Stocks of other supplies involving crucible grades of graphite—stirring rods, ladles, etc.:.....

Is stock on hand normal?..... If not, state in what respect stocks are deficient:.....

Remarks:.....

(Signature)

DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS
SAM. L. ROGERS, DIRECTOR

CENSUS OF WAR COMMODITIES
IRON AND STEEL
PRODUCTS

Prepared under the supervision of EUGENE F. HARTLEY, Chief Statistician for Manufactures

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NOTE.

Reports received after completion of tabulation and not included in the tables, comprising: Railroad companies, 13; steel works and rolling mills, 1; shipyards, 2; manufacturers of agricultural implements, etc., 3; manufacturers of motor vehicles, etc., 1; manufacturers of engines, pumps, etc., 1; manufacturers of machinery not elsewhere specified, 4; manufacturers of munitions and ordnance, 2; and fabrications, 1—Total, 28.

(Tons of 2,000 pounds.)

CLASS OF STEEL.	STOCKS, SEPT. 1, 1918.			CONSUMPTION AND REQUIREMENTS, 1918.					
	Total.	Railroad companies.	Other.	Total.	Railroad companies.	Other.	For Government contracts.		
							Amount.	Per cent.	
Ingots, blooms, billets, and slabs.....	2,034	80	1,954	148,830	155	148,675	111,055	75.3	
Skelp, flue, etc.....	281	281		116	116				
Wire rods.....	452	1	451	31,603	3	31,600	23,700	75.0	
Plates (½ inch and over).....	3,331	557	2,774	7,156	1,098	6,058	2,933	41.0	
Sheets (under ½ inch).....	293	208	85	533	385	148	22	4.2	
Merchant bars and shapes under 3 inches.....	3,479	2,106	1,373	11,634	7,262	4,372	2,086	17.9	
Long angle splice bars.....	330	300	30	443	40	403			
Structural shapes.....	1,881	88	1,793	9,779	57	9,722	970	9.9	
Seamless tubes.....	587	329	258	931	404	527	515	55.3	
Tubular products other than seamless tubes.....	686	377	309	582	261	321	25	4.3	
Rails:									
50 pounds and over.....	10,787	10,697	90	14,096	14,088	8			
Under 50 pounds.....	1,001	1,000	1	805	800	5			
Rail joints, fastenings, and tie-plates.....	3,058	3,056	2	12,052	12,052				
Wire products.....	1,926	203	1,723	15,043	479	14,564	10,814	71.9	
Tool steel.....	144	28	116	216	33	183	160	74.1	
All other finished, rolled, and drawn iron and steel.....	2,792	314	2,478	6,497	542	5,955	2,113	32.5	
Total.....	33,062	19,625	13,437	260,316	37,775	222,541	154,393	59.3	

EXPLANATION OF STATISTICS.

The accompanying tables present the statistics for Iron and Steel Products as reported by 10,494 establishments. The canvass included the manufacturers of the specified classes of iron and steel products; the wholesalers, dealers, jobbers, and supply houses carrying stocks; and manufacturers using the products as material in further processes of manufacture, including railroads and public service corporations that operate construction and repair shops and carry stocks for the upkeep of their properties, systems, and lines. The statistics include the consumption by the producers—that is, by the rolling mills, the wire-drawing mills, forging shops, etc.—of the specified classes of products in further processes of manufacture.

ESTABLISHMENTS.

The number of establishments is the number of reports received and not the number of individual plants, shops, or works. Thus, the United States Steel Corporation made one report covering 148 plants, mills, works, shops, and warehouses; the United States Railroad Administration, one report for the various corporations commonly known as Pennsylvania Lines West of Pittsburgh and one report for the Eastern Lines; the War Department, one report for all shops and works under the control of the Corps of Engineers. The report for the Corps of Engineers covers stocks only, data for consumption and requirements not being furnished. Separate reports were furnished for the arsenals with full data. The only report received from the Navy Department was for the Mare Island Navy Yard, Cal. This has been included with the data for the War Department. Establishments reporting less than half a ton of steel on hand or consumed have not been included in the tabulation. Approximately 850 reports of this character were received.

TABLES.

The statistics are presented in four tables as follows:

TABLE I shows stocks on hand or in transit to the reporting establishment on September 1, 1918.

TABLE II presents the statistics of consumption for the first half of the year, January 1 to June 30, 1918.

TABLE III presents the statistics for requirements for the last half of the year, July 1 to December 31, 1918.

TABLE IV is a summary showing stocks and consumption—requirement data for the year for all establishments and for the several groups of establishments, with per cent of distribution.

A graphic presentation of the statistics by bar diagrams precedes the tables and a copy of the schedule used is shown at the end of this bulletin.

CLASSIFICATION.

The information given in answer to Inquiry III of the schedule has been used as a basis of classification according to chief products.

The reports have been classified under 16 groups as follows:

A.—*The producing establishments designated as "Manufacturers of the specified products—Steel works, rolling mills, etc."* This group includes also tube and wire-drawing mills, forging shops, and tin-plate mills. These establishments reported stocks on hand, September 1, of the various classes of steel, including ingots, billets, bars, etc., in process, stocks of the finished rolled products, and stocks of products of a higher degree of manufacture called for by the schedule, such as tubular products and wire. The producing establishments reported under Inquiry II of the schedule only the quantities of the specified classes of steel consumed in or required for their own establishment in further processes of manufacture; structural steel in fabrications, plates fabricated for ship and other constructions, horseshoe bars in the manufacture of horseshoes, etc.

B.—*Wholesalers, jobbers, and dealers.*—This class reported stocks only.

C.—*Railroad companies, both steam and electric.*—These companies reported stocks on hand for use in their repair shops and rails and track material, and consumption and requirements for repairs of rolling stock, track repairs, and replacements and new construction.

D.—*Shipyards.*—The shipbuilding companies reported the stocks on hand of the specified products in unfabricated forms, and consumption and requirement data for same. Supplies of plates and structural steel received in fabricated forms ready for assembling

were not included, these being the products of the mills that fashioned them ready for erection and are included in the reports for such establishments.

E.—*War Department.*—These reports include the statistics for the arsenals and the shops and works under the control of the Corps of Engineers, the latter, however, being confined to stocks, as before stated. There are also included the statistics for the Mare Island Navy Yard.

The remaining groups comprise the manufacturing establishments that use iron and steel materials of the specified classes. The establishments are classified according to their chief products, although in many cases they reported products which belong under another classification, shown, for example, by a large consumption of projectile steel by establishments engaged primarily in the manufacture of bolts, nuts, etc., and machinery, and projectile steel requirements for establishments included in the "Motor vehicle" and "Miscellaneous" groups.

F.—*Manufacturers of agricultural implements and vehicles other than motor vehicles.*

G.—*Manufacturers of motor vehicles—Automobiles, trucks, and accessories.*

H.—*Manufacturers of bolts, nuts, rivets, nails, screws, etc.*

I.—*Manufacturers of electric and electric-power machinery, apparatus, and supplies.*

J.—*Manufacturers of engines, pumps, compressors, etc., boilers, and tanks.*

K.—*Manufacturers of machine tools.*

L.—*Manufacturers of tools and hardware.*

M.—*Manufacturers of machinery other than the foregoing.*

N.—*Manufacturers of munitions and ordnance.*

O.—*Fabrications—Structural and architectural ironwork.*

P.—*Miscellaneous, or manufacturers of commodities not elsewhere provided for.*

DURATION OF SUPPLY.

On September 1, 1918, there was, in the aggregate, 8,589,000 tons of iron and steel material of the various classes on hand, not including scrap. The figures for consumption and requirements, taken as representing the year's consumption, aggregate 31,690,000 tons. These figures indicate that the stocks in the country, as of said date, were equal to approximately three and one-fourth months' supply for all classes of establishments.

The following tabular statement gives, in terms of months' supply, the ratio between stocks and consumption and requirements for the year—(1) for the various classes of steel, and (2) for the industrial groups:

		Months.			Months.
All stocks.....			INDUSTRIAL GROUPS.		
CLASS OF STEEL.					
1. Ingots, blooms, billets, and slabs.....	2		A.—Manufacturers of the specified products—Steel works, rolling mills, etc.....	2½	
2. Projectile steel.....	23		C.—Railroad companies.....	6½	
3. Sheet bars and tin-plate bars... 1½			D.—Shipyards.....	3½	
4. Skelp, flue, etc.....	2½		E.—War Department.....		
5. Wire rods.....	1½		F.—Manufacturers of agricultural implements and vehicles other than motor vehicles.....	4½	
6. Plates.....	3½		G.—Manufacturers of motor vehicles—Automobiles, trucks, and accessories.....	2½	
7. Sheets.....	4½		H.—Manufacturers of bolts, nuts, rivets, nails, screws, etc.....	3	
8. Merchant bars and shapes under 3 inches.....	4		I.—Manufacturers of electric and electric-power machinery, apparatus, and supplies.....	5½	
9. Reinforced-concrete bars.....	14		J.—Manufacturers of engines, pumps, compressors, etc., boilers, and tanks.....	2½	
10. Long angle splice bars.....	2½		K.—Manufacturers of machine tools.....	5	
11. Structural shapes.....	3½		L.—Manufacturers of tools and hardware.....	4	
12. Seamless tubes.....	9		M.—Manufacturers of machinery other than the foregoing.....	3	
13. Tubular products other than seamless tubes.....	12½		N.—Manufacturers of munitions and ordnance.....	3½	
14. Rails.....	6½		O.—Fabrications—Structural and architectural ironwork.....	2½	
15. Rail joints, fastenings, and tie-plates.....	11½		P.—Miscellaneous.....	3½	
16. Tin plate.....	4				
17. Barbed wire.....	1½				
18. Wire rope.....	10½				
19. Other wire products.....	3½				
20. Hoops, bands, and cotton ties.....	3½				
21. Tool steel.....	8				
22. Other finished, rolled, and drawn iron and steel.....	4				

¹ Not comparable—largely used by consumers not canvassed.

² Not comparable—consumption and requirements not fully reported.

CENSUS OF WAR COMMODITIES.

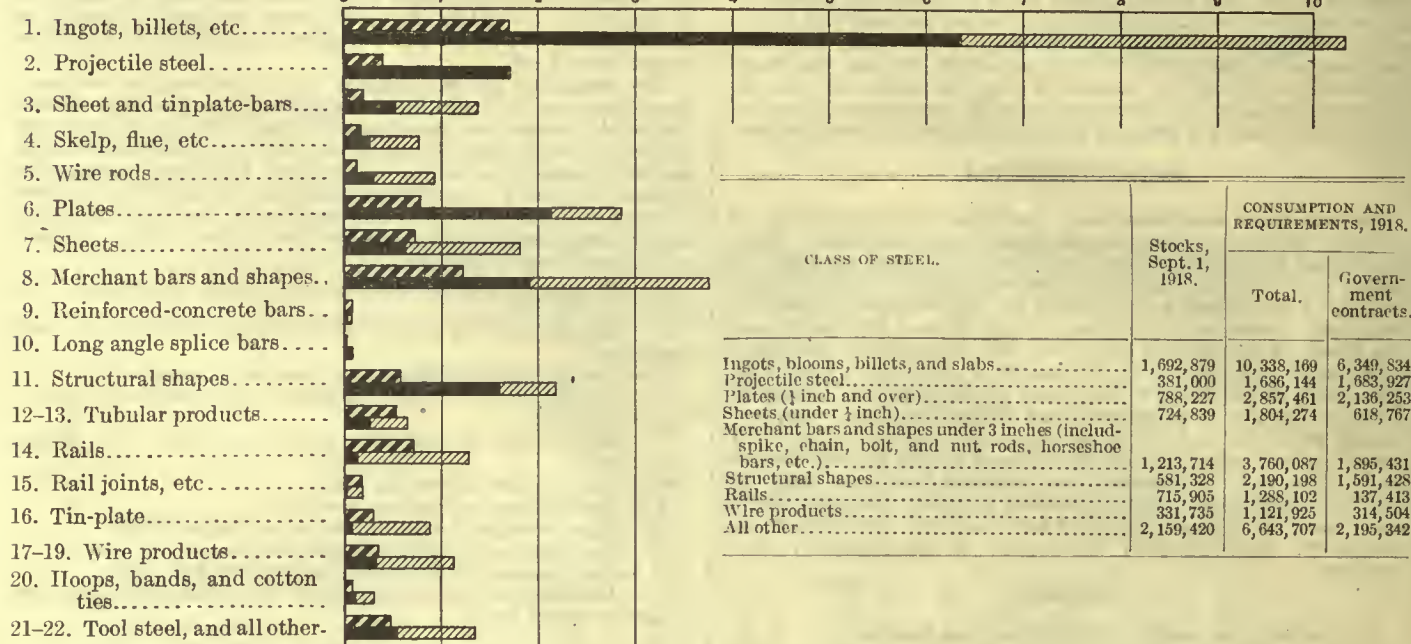
STOCKS, SEPT. 1, 1918; CONSUMPTION AND REQUIREMENTS, 1918.



TOTAL.

Stocks, Sept. 1, 1918 8,589,047
 Consumption and requirements, 1918:
 For Government contracts 16,922,899
 Other 14,767,168

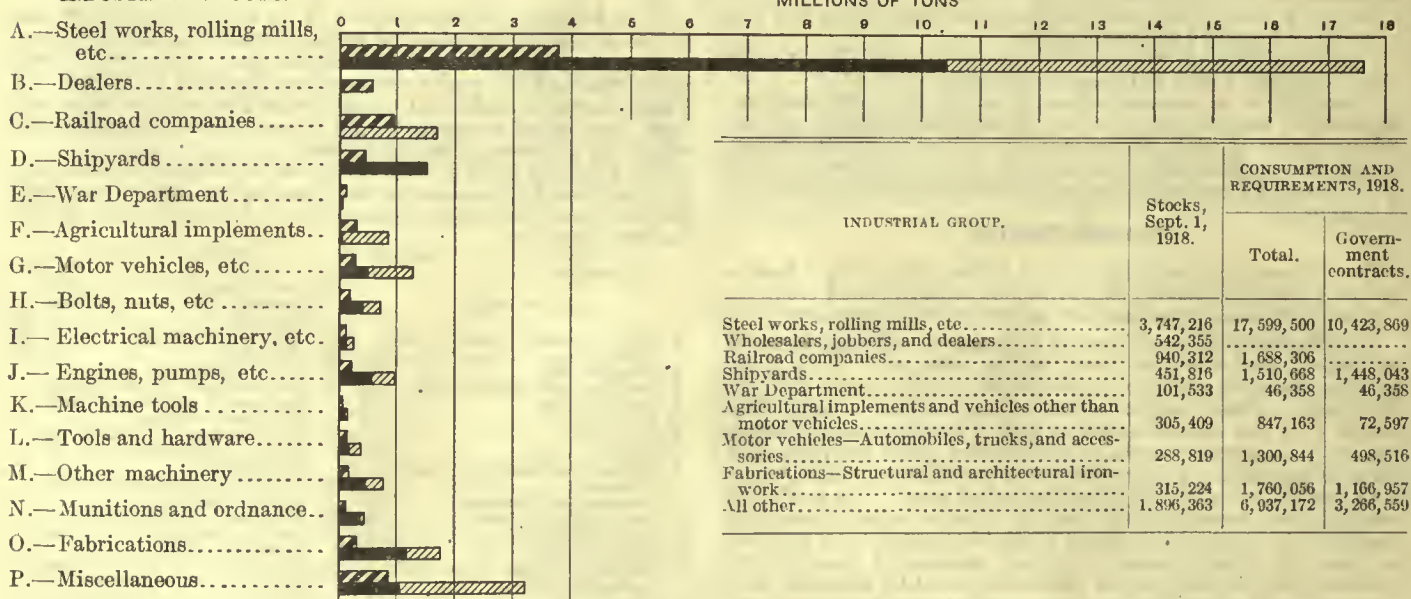
CLASS OF STEEL.



CLASS OF STEEL.

CLASS OF STEEL.	Stocks, Sept. 1, 1918.	CONSUMPTION AND REQUIREMENTS, 1918.	
		Total.	Government contracts.
Ingots, blooms, billets, and slabs.....	1,692,879	10,338,169	6,349,834
Projectile steel.....	381,000	1,686,144	1,683,927
Plates (1 inch and over).....	788,227	2,857,461	2,136,253
Sheets (under 1/2 inch).....	724,839	1,804,274	618,767
Merchant bars and shapes under 3 inches (including spike, chain, bolt, and nut rods, horseshoe bars, etc.).....	1,213,714	3,760,087	1,895,431
Structural shapes.....	581,328	2,190,198	1,591,428
Rails.....	715,905	1,288,102	137,413
Wire products.....	331,735	1,121,925	314,504
All other.....	2,159,420	6,643,707	2,195,342

INDUSTRIAL GROUPS.



INDUSTRIAL GROUP.

INDUSTRIAL GROUP.	Stocks, Sept. 1, 1918.	CONSUMPTION AND REQUIREMENTS, 1918.	
		Total.	Government contracts.
Steel works, rolling mills, etc.....	3,747,216	17,599,500	10,423,569
Wholesalers, jobbers, and dealers.....	542,355	.....	.....
Railroad companies.....	940,312	1,688,306	.....
Shipyards.....	451,816	1,510,668	1,448,043
War Department.....	101,533	46,358	46,358
Agricultural implements and vehicles other than motor vehicles.....	305,409	847,163	72,597
Motor vehicles—Automobiles, trucks, and accessories.....	288,819	1,300,844	498,516
Fabrications—Structural and architectural iron-work.....	315,224	1,760,056	1,166,957
All other.....	1,896,363	6,937,172	3,266,559

STOCKS, SEPT. 1, 1918

CONSUMPTION AND REQUIREMENTS, 1918:

FOR GOVERNMENT CONTRACTS

OTHER

Table 1.—STOCKS ON HAND OR IN TRANSIT, SEPTEMBER 1, 1918.
(Tons of 2,000 pounds.)

CLASS OF STEEL.	Total.	Manufacturers of the specified products— Steel works, rolling mills, etc.	Wholesalers, jobbers, and dealers,	Railroad companies.	Shipyards.	War Depart- ment. ¹
Number of establishments.....	10,494	441	942	499	102	10
1. Ingots, blooms, billets, and slabs.....	1,692,879	1,639,943	259	6,233	6,577	5,611
2. Projectile steel.....	381,000	267,118	36	20	.....	.....
3. Sheet bars and tin-plate bars.....	190,317	186,646	50	637	.....	.....
4. Skelp, flue, etc.....	179,317	176,202	.....	.....	.....	.....
5. Wire rods.....	118,398	79,056	799	40	.....	327
6. Plates ($\frac{1}{4}$ inch and over).....	788,227	186,815	29,227	69,272	249,746	12,647
7. Sheets (under $\frac{1}{4}$ inch).....	724,839	147,558	39,301	19,170	7,112	6,576
8. Merchant bars and shapes under 3 inches (including spike, chain, bolt, and nut rods, horseshoe bars, etc.).....	1,213,714	272,843	156,003	93,822	40,013	5,880
9. Reinforced-concrete bars.....	85,952	21,362	22,657	7,426	371	2,428
10. Long angle splice bars.....	17,956	12,279	20	4,024	2	29
11. Structural shapes.....	581,328	151,539	25,937	38,372	135,289	10,109
12. Seamless tubes.....	78,228	11,315	5,688	22,814	668	232
13. Tubular products other than seamless tubes.....	440,333	112,412	171,103	14,868	5,067	1,243
14. Rails:						
50 pounds and over.....	650,256	98,204	5,371	494,935	3,040	21,333
Under 50 pounds.....	65,649	20,644	5,877	4,941	333	18,558
15. Rail joints, fastenings, and tie-plates.....	181,334	24,566	1,133	143,947	141	7,771
16. Tin plate.....	301,950	45,590	10,672	402	5	132
17. Barbed wire.....	10,201	5,062	1,453	1,839	1	1,330
18. Wire rope.....	24,695	7,854	1,810	727	1,312	165
19. Other wire products.....	296,839	163,118	33,399	4,126	96	2,106
20. Hoops, bands, and cotton ties.....	91,912	22,193	10,910	98	29	22
21. Tool steel.....	61,586	19,437	5,599	1,178	519	234
22. All other finished, rolled, and drawn iron and steel.....	412,137	75,460	15,051	11,421	1,495	4,800
TOTAL.....	8,589,047	3,747,216	542,355	940,312	451,816	101,533
23. Scrap iron and steel.....	1,873,988	1,429,554	16,874	145,598	4,823	5,354

MANUFACTURERS CLASSIFIED ACCORDING TO CHIEF PRODUCT.

CLASS OF STEEL.	Agricultural implements and vehicles other than motor vehicles.	Motor vehicles— Auto- mobiles, trucks, and acces- sories.	Bolts, nuts, rivets, nails, screws, etc.	Electric and electric- power ma- chinery, apparatus, and supplies.	Engines, pumps, com- pressors, etc., boilers, and tanks.	Machine tools.	Tools and hardware.	Machinery other than the foregoing.	Munitions and ordnance.	Fabri- cations— Structural and archi- tectural ironwork.	Miscel- laneous.
Number of establishments.....	610	590	214	418	629	437	807	1,023	60	636	3,076
1. Ingots, blooms, billets, and slabs.....	1,813	1,969	220	1,151	7,263	4,681	2,942	4,935	1,366	2,774	5,142
2. Projectile steel.....	.....	2,866	.....	305	51	190	.....	12,354	83,103	392	14,621
3. Sheet bars and tin-plate bars.....	172	8	.....	59	17	.....	2,004	273	5	79	998
4. Skelp, flue, etc.....	39	.....	759	26	.....	.....	1,413	.....	.....	1	190
5. Wire rods.....	779	1,598	17,491	1,127	257	515	1,916	341	165	935	13,052
6. Plates ($\frac{1}{4}$ inch and over).....	14,978	15,955	181	13,960	50,688	2,443	1,498	17,761	9,216	77,679	36,166
7. Sheets (under $\frac{1}{4}$ inch).....	27,489	85,535	37,644	47,344	55,808	2,946	22,995	17,511	6,470	19,350	180,030
8. Merchant bars and shapes under 3 inches (including spike, chain, bolt, and nut rods, horseshoe bars, etc.).....	175,203	50,651	95,746	21,147	33,740	19,538	51,747	50,561	5,807	43,013	98,000
9. Reinforced-concrete bars.....	30	3,219	30	239	68	1	461	189	46	27,014	411
10. Long angle splice bars.....	50	368	.....	142	44	4	2	127	.....	374	491
11. Structural shapes.....	9,999	8,793	10	6,748	19,826	2,075	576	17,783	3,588	124,943	25,741
12. Seamless tubes.....	1,743	7,258	105	658	14,780	352	73	1,823	335	442	9,942
13. Tubular products other than seam- less tubes.....	9,309	13,509	298	5,683	18,819	1,216	3,947	21,212	69	7,852	53,726
14. Rails:											
50 pounds and over.....	4	798	.....	1,096	662	7	.....	738	.....	1,736	22,332
Under 50 pounds.....	55	30	.....	406	73	145	.....	1,043	.....	911	12,633
15. Rail joints, fastenings, and tie- plates.....	4	48	.....	65	3	19	.....	410	20	564	2,643
16. Tin plate.....	218	318	78	111	1,966	30	869	784	3,418	502	236,855
17. Barbed wire.....	8	1	12	.....	41	.....	62	13	.....	60	319
18. Wire rope.....	132	5,922	468	347	82	675	189	667	4	85	4,256
19. Other wire products.....	3,797	5,735	14,962	1,298	1,075	631	6,153	2,956	569	2,099	54,719
20. Hoops, bands, and cotton ties.....	14,350	6,647	1,634	1,102	1,686	106	9,155	941	199	1,050	21,790
21. Tool steel.....	1,292	2,300	1,156	653	490	5,915	8,253	4,744	756	137	8,923
22. All other finished, rolled, and drawn iron and steel.....	43,945	75,291	19,156	13,206	10,487	27,555	18,625	34,573	5,470	3,237	52,365
TOTAL.....	305,409	288,819	189,950	116,873	217,926	69,044	132,880	193,739	120,606	315,224	855,345
23. Scrap iron and steel.....	35,692	13,406	10,023	7,883	46,671	16,433	13,242	29,405	5,355	17,058	76,617

¹ Including United States Navy Yard, Mare Island, Cal.

Table II.—CONSUMPTION, JANUARY 1 TO JUNE 30, 1918.

(Tons of 2,000 pounds.)

CLASS OF STEEL.		Total.	Manufacturers of the specified products—Steel works, rolling mills, etc.	Railroad companies.	Shipyards.	War Department. ¹
1	1. Ingots, blooms, billets, and slabs.....	4,942,888	4,792,211	6,093	9,039	1,552
2	Used for Government contracts.....	2,883,680	2,759,950		8,951	1,552
3	2. Projectile steel.....	662,752	438,346			
4	Used for Government contracts.....	660,863	436,646			
5	3. Sheet bars and tin-plate bars.....	629,102	626,813	87		
6	Used for Government contracts.....	201,016	200,466			
7	4. Skelp, flue, etc.....	321,586	318,302	304		
8	Used for Government contracts.....	116,783	116,548			
9	5. Wire rods.....	427,733	346,334	40	4	201
10	Used for Government contracts.....	112,919	79,471		4	201
11	6. Plates ($\frac{1}{4}$ inch and over).....	1,145,467	213,970	50,054	315,377	4,054
12	Used for Government contracts.....	748,065	129,437		301,373	4,054
13	7. Sheets (under $\frac{1}{4}$ inch).....	882,843	71,355	16,375	9,524	1,256
14	Used for Government contracts.....	224,693	26,528		8,591	1,256
15	8. Merchant bars and shapes under 3 inches (including spike, chain, bolt, and nut rods, horseshoe bars, etc.).....	1,757,735	600,277	97,628	41,460	1,319
16	Used for Government contracts.....	803,947	358,515		36,932	1,319
17	9. Reinforced-concrete bars.....	30,433	1,064	5,218	574	52
18	Used for Government contracts.....	6,976	103		478	52
19	10. Long angle splice bars.....	40,423	34,232	3,851	73	12
20	Used for Government contracts.....	33,227	32,165		72	12
21	11. Structural shapes.....	932,752	284,686	32,537	134,877	875
22	Used for Government contracts.....	615,207	236,815		124,348	875
23	12. Seamless tubes.....	91,769	19,212	12,556	384	457
24	Used for Government contracts.....	50,269	14,701		309	457
25	13. Tubular products other than seamless tubes.....	200,534	4,366	13,464	5,757	457
26	Used for Government contracts.....	63,954	193		5,017	457
27	14. Rails:					
28	50 pounds and over.....	583,553	56,984	486,270	4,587	1,116
29	Used for Government contracts.....	45,872	22,739		3,156	1,116
30	Under 50 pounds.....	36,142	10,059	3,408	480	13
31	Used for Government contracts.....	22,126	10,006		470	13
32	15. Rail joints, fastenings, and tie-plates.....	91,258	585	87,298	333	15
33	Used for Government contracts.....	2,233	367		185	15
34	16. Tin plate.....	418,193	7,856	460	38	2,976
35	Used for Government contracts.....	26,964	202		38	2,976
36	17. Barbed wire.....	31,409	22,425	1,128	24	12
37	Used for Government contracts.....	11,612	11,239			12
38	18. Wire rope.....	14,881	98	742	2,027	28
39	Used for Government contracts.....	3,114	53		1,880	28
40	19. Other wire products.....	473,666	256,955	2,317	182	36
41	Used for Government contracts.....	97,200	55,920		134	36
42	20. Hoops, bands, and cotton ties.....	146,995	60,525	46	5	1
43	Used for Government contracts.....	43,774	18,063		5	1
44	21. Tool steel.....	44,089	4,708	717	486	293
45	Used for Government contracts.....	25,487	2,971		453	293
46	22. All other finished, rolled, and drawn iron and steel.....	640,659	54,650	17,869	3,875	2,988
47	Used for Government contracts.....	192,143	30,925		3,847	2,988
48	TOTAL.....	14,546,862	8,226,013	838,462	529,106	17,713
49	Used for Government contracts.....	6,992,124	4,544,023		496,243	17,713
50	23. Scrap iron and steel.....	4,453,030	3,876,679	53,813	4,986	4,197
	Used for Government contracts.....	2,243,474	2,084,682		1,896	4,197

¹ Including United States Navy Yard, Mare Island, Cal.

IRON AND STEEL PRODUCTS.

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Table II.—CONSUMPTION, JANUARY 1 TO JUNE 30, 1918—Continued.

(Tons of 2,000 pounds.)

MANUFACTURERS CLASSIFIED ACCORDING TO CHIEF PRODUCT.										
Agricultural implements and vehicles other than motor vehicles.	Motor vehicles—Automobiles, trucks, and accessories.	Bolts, nuts, rivets, nails, screws, etc.	Electric and electric-power machinery, apparatus, and supplies.	Engines, pumps, compressors, etc., boilers, and tanks.	Machine tools.	Tools and hardware.	Machinery other than the foregoing.	Munitions and ordnance.	Fabrications—Structural and architectural ironwork.	Miscellaneous.
1,901	3,356	1,251	3,248	18,809	6,005	3,936	8,477	9,553	73,180	4,277
120	1,480	.....	2,410	16,541	5,967	1,373	3,834	8,985	69,929	2,588
8	6	4,250	128	50	45	3	113,811	93,713	2	12,390
.....	6	4,250	128	.....	45	.....	113,750	93,713	.....	12,325
368	4	.....	58	.....	16	12	51	37	142	1,514
.....	1	.....	1	.....	15	1	16	5	11	500
627	.....	503	.....	.....	.....	711	3	.....	.....	1,136
.....	.....	100	.....	.....	.....	94	.....	.....	.....	41
890	2,545	48,718	543	288	422	5,789	451	228	3,630	17,650
74	1,927	18,127	382	47	201	3,481	98	188	1,147	7,571
21,259	23,516	359	10,636	179,403	2,584	2,732	24,146	13,410	190,653	88,314
1,467	17,984	15	6,914	113,747	1,135	1,262	6,133	7,200	128,088	29,256
35,096	247,469	16,665	47,987	75,861	4,285	32,619	28,753	4,291	40,753	250,554
816	39,276	3,380	26,683	27,088	998	11,582	4,585	3,616	15,660	54,634
252,116	70,626	200,659	15,210	61,119	17,064	65,533	68,483	10,927	88,682	166,632
21,868	26,280	118,562	6,854	31,592	9,879	33,317	24,637	7,115	47,331	79,746
227	3,370	40	569	445	75	.....	268	20	18,153	358
13	180	10	59	146	38	.....	39	20	5,781	57
32	473	.....	128	169	27	283	206	1	217	719
.....	188	.....	17	74	25	30	141	1	114	388
9,480	9,800	64	10,036	24,279	2,283	1,458	20,726	5,207	343,918	52,526
461	3,845	4	4,794	15,201	1,097	448	6,621	2,159	199,334	19,205
1,228	9,484	137	441	32,910	376	708	1,675	131	713	11,357
32	4,719	125	231	23,696	131	611	666	35	515	4,041
14,006	1,851	434	8,995	32,637	2,972	5,578	16,830	132	10,399	82,656
521	542	100	2,882	15,871	2,171	1,480	4,670	104	5,903	24,043
.....	1,632	.....	1,140	369	55	.....	681	20	4,150	26,549
.....	1,242	.....	175	220	.....	.....	98	.....	1,655	15,471
41	61	.....	554	40	30	.....	2,010	.....	1,001	18,445
.....	50	.....	356	.....	30	.....	267	.....	502	10,432
.....	232	.....	44	3	5	.....	194	.....	257	2,292
.....	181	.....	13	.....	.....	.....	7	.....	70	1,395
293	2,290	112	148	1,975	49	1,477	953	7,487	2,254	389,825
.....	99	37	125	21	.....	389	187	76	1,195	21,619
191	101	105	.....	125	18	109	49	.....	321	6,801
.....	1	.....	.....	.....	17	100	1	.....	21	221
227	4,614	249	336	248	2,945	552	1,011	38	173	1,593
10	53	61	183	87	45	5	236	35	104	334
7,452	4,722	25,493	2,269	831	727	11,496	3,185	1,450	6,446	150,105
48	1,138	6,838	1,263	248	475	2,394	977	822	2,097	24,810
15,369	7,794	2,842	1,600	1,124	132	18,358	1,689	157	446	36,907
798	2,032	575	1,147	207	27	3,232	524	125	117	16,921
1,071	2,479	812	613	576	10,691	10,526	6,097	712	226	4,082
21	594	385	386	359	8,991	5,122	3,252	468	70	2,122
55,511	272,282	22,602	15,767	13,059	28,637	19,058	44,716	7,022	3,812	78,811
4,046	40,276	12,480	7,855	5,467	18,093	7,891	13,491	3,934	1,487	39,363
417,393	673,707	325,295	120,450	444,320	79,443	180,938	344,465	154,536	789,528	1,405,493
30,295	142,094	165,049	62,858	250,612	49,380	72,812	184,230	128,601	481,131	367,083
69,991	41,371	8,152	12,308	73,552	37,076	13,773	65,231	8,133	66,832	116,936
1,821	6,265	78	9,271	31,653	26,032	4,052	19,264	6,372	8,503	39,388

CENSUS OF WAR COMMODITIES.

Table III.—ESTIMATED REQUIREMENTS, JULY 1 TO DECEMBER 31, 1918.

(Tons of 2,000 pounds.)

CLASS OF STEEL.		Total.	Manufacturers of the specified products—Steel works, rolling mills, etc.	Railroad companies.	Shipyards.	War Department. ¹
1	1. Ingots, blooms, billets, and slabs.....	5,395,281	5,203,234	8,594	9,789	8,548
2	For Government contracts.....	3,466,154	3,313,674		9,742	8,548
3	2. Projectile steel.....	1,023,392	561,973			
4	For Government contracts.....	1,023,064	561,973			
5	3. Sheet bars and tin-plate bars.....	747,474	745,471	76		
6	For Government contracts.....	318,586	317,554			
7	4. Skelp, flue, etc.....	453,116	447,385	150		
8	For Government contracts.....	146,806	146,164			
9	5. Wire rods.....	516,708	417,577	36	4	226
10	For Government contracts.....	182,919	137,210		4	226
11	6. Plates ($\frac{1}{4}$ inch and over).....	1,711,994	298,056	49,302	592,614	5,224
12	For Government contracts.....	1,388,188	260,170		582,420	5,224
13	7. Sheets (under $\frac{1}{4}$ inch).....	921,431	87,671	3,297	13,916	1,372
14	For Government contracts.....	394,074	50,584		13,666	1,372
15	8. Merchant bars and shapes under 3 inches (including spike, chain, bolt, and nut rods, horseshoe bars, etc.).....	2,002,352	644,274	95,729	68,839	1,702
16	For Government contracts.....	1,091,484	452,306		63,372	1,702
17	9. Reinforced-concrete bars.....	42,869	929	8,043	10,259	195
18	For Government contracts.....	16,561	103		10,137	195
19	10. Long angle splice bars.....	45,174	36,017	6,203	336	12
20	For Government contracts.....	36,768	35,000		306	12
21	11. Structural shapes.....	1,257,446	372,749	38,938	258,376	2,032
22	For Government contracts.....	976,221	350,810		247,174	2,032
23	12. Seamless tubes.....	113,123	25,640	14,709	948	50
24	For Government contracts.....	53,017	5,444		918	50
25	13. Tubular products other than seamless tubes.....	235,184	5,244	11,417	8,750	602
26	For Government contracts.....	99,239	313		8,310	602
27	14. Rails:					
28	50 pounds and over.....	625,251	59,661	500,784	6,445	325
29	For Government contracts.....	49,866	25,127		5,724	325
30	Under 50 pounds.....	43,156	10,066	1,580	807	10
31	For Government contracts.....	19,549	10,026		797	10
32	15. Rail joints, fastenings, and tie-plates.....	97,787	2,972	91,216	193	1
33	For Government contracts.....	1,660	359		117	1
34	16. Tin plate.....	471,752	10,302	518	164	3,823
35	For Government contracts.....	61,743	3,335		164	3,823
36	17. Barbed wire.....	71,073	58,398	1,362	7	1
37	For Government contracts.....	49,550	49,228			1
38	18. Wire rope.....	13,095	112	777	3,099	49
39	For Government contracts.....	4,593	64		3,000	49
40	19. Other wire products.....	515,801	244,525	2,372	203	54
41	For Government contracts.....	148,435	84,169		193	54
42	20. Hoops, bands, and cotton ties.....	165,214	73,451	59	121	1
43	For Government contracts.....	65,943	27,779		63	1
44	21. Tool steel.....	48,694	5,385	875	732	367
45	For Government contracts.....	30,844	3,666		710	367
46	22. All other finished, rolled, and drawn iron and steel.....	623,838	62,395	15,807	5,960	4,051
47	For Government contracts.....	305,511	44,788		4,983	4,051
48	TOTAL.....	17,143,205	9,373,487	849,844	981,562	28,645
49	For Government contracts.....	9,930,775	5,879,846		951,800	28,645
50	23. Scrap iron and steel.....	5,248,687	4,570,747	47,816	8,176	26,886
51	For Government contracts.....	2,911,760	2,623,239		6,656	26,886

¹ Including United States Navy Yard, Mare Island, Cal.

IRON AND STEEL PRODUCTS.

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Table III.—ESTIMATED REQUIREMENTS, JULY 1 TO DECEMBER 31, 1918—Continued.

(Tons of 2,000 pounds.)

MANUFACTURERS CLASSIFIED ACCORDING TO CHIEF PRODUCT.										
Agricultural implements and vehicles other than motor vehicles.	Motor vehicles—Automobiles, trucks, and accessories.	Bolts, nuts, rivets, nails, screws, etc.	Electric and electric-power machinery, apparatus, and supplies.	Engines, pumps, compressors, etc., boilers, and tanks.	Machine tools.	Tools and hardware.	Machinery other than the foregoing.	Munitions and ordnance.	Fabrications—Structural and architectural ironwork.	Miscellaneous.
3,009	5,340	1,356	4,331	22,878	7,243	6,529	7,509	10,191	93,606	5,124
266	2,271	.....	3,691	19,570	4,517	2,165	2,856	4,165	91,069	3,620
10	19,400	.....	.....	50	56	3	183,471	210,571	.....	47,858
.....	19,400	.....	.....	.....	56	.....	183,270	210,571	.....	47,794
308	8	.....	8	.....	19	62	62	8	141	1,311
.....	1	.....	1	.....	17	51	28	8	.....	926
741	.....	2,200	.....	.....	.....	1,400	5	.....	.....	1,235
.....	.....	150	.....	.....	.....	492	.....	.....	.....	.....
1,057	3,002	58,007	873	290	460	7,778	429	182	3,769	23,018
70	2,362	26,429	612	81	183	5,599	208	162	732	9,041
21,067	69,915	660	16,330	216,297	2,597	2,844	26,149	20,564	259,758	130,617
2,331	63,072	20	12,208	149,948	1,988	1,372	8,411	19,394	203,653	77,977
36,433	192,136	20,765	51,091	90,478	4,371	38,974	29,263	4,665	41,835	305,164
1,459	105,746	6,953	33,242	34,682	1,250	15,527	7,386	4,268	19,142	98,797
261,677	80,486	249,640	19,823	74,920	18,066	81,262	72,376	14,805	104,016	214,737
29,814	40,985	168,158	12,460	39,083	10,562	45,110	18,259	12,034	69,672	127,967
210	2,123	50	704	305	25	.....	177	20	19,546	283
.....	89	5	3	200	12	.....	36	20	5,661	100
32	474	.....	165	149	52	311	412	1	295	715
.....	242	.....	23	76	50	80	364	1	193	421
8,201	14,012	52	12,819	29,133	2,303	1,801	21,567	4,898	413,883	76,682
820	7,116	3	6,718	20,069	1,801	699	8,382	3,074	279,484	48,039
1,350	11,069	128	456	42,107	317	719	1,891	124	811	12,804
215	6,833	117	280	31,469	124	578	513	44	558	5,874
14,979	2,168	691	11,142	37,948	2,637	5,755	19,407	130	11,533	102,781
776	889	118	3,776	18,087	2,251	2,466	7,172	114	6,800	47,565
.....	1,280	.....	969	367	.....	.....	707	.....	5,059	49,654
.....	50	.....	265	291	.....	.....	94	.....	2,036	15,954
60	335	.....	733	15	30	.....	1,985	.....	822	26,713
12	215	.....	577	2	30	.....	192	.....	245	7,443
.....	149	.....	17	.....	.....	1	260	.....	336	2,642
.....	19	.....	14	.....	.....	1	15	.....	182	952
298	2,483	125	109	1,871	43	2,502	1,073	7,085	2,649	438,707
.....	156	51	83	47	.....	1,008	192	73	1,664	51,147
288	101	110	.....	155	19	1	49	.....	406	10,176
.....	1	.....	.....	.....	17	.....	.....	.....	51	252
230	847	257	396	284	2,928	833	1,103	50	204	1,926
15	112	62	159	97	70	32	277	6	158	492
7,447	4,625	26,580	2,685	956	827	11,547	3,520	1,542	7,429	203,489
40	1,194	12,545	1,685	267	438	4,753	1,424	528	2,496	38,649
16,036	5,969	2,363	2,353	979	161	18,058	1,649	116	335	43,563
915	2,506	583	2,118	151	25	4,951	575	91	130	26,055
1,032	2,587	966	681	655	12,353	11,686	6,149	956	127	4,143
36	1,330	547	463	425	10,170	7,361	3,307	741	68	1,653
55,305	208,628	27,423	20,743	15,496	31,789	22,757	49,104	6,543	3,968	93,869
5,533	101,833	17,022	12,862	7,029	19,302	10,566	15,048	3,423	1,832	57,239
429,770	627,137	391,373	146,428	535,333	88,296	214,823	428,317	282,451	970,528	1,797,211
42,302	356,422	232,763	91,240	321,574	52,863	102,811	258,009	258,717	685,826	667,957
85,973	38,764	8,139	13,428	85,016	41,086	13,658	70,056	8,196	94,442	136,304
18,904	25,783	132	10,714	43,763	31,965	3,299	27,032	6,456	13,538	73,393

CENSUS OF WAR COMMODITIES.

Table IV.—SUMMARY—STOCKS, CONSUMPTION AND REQUIREMENTS.

CLASS OF STEEL.	TOTAL.—10,494 ESTABLISHMENTS.					A.—MANUFACTURERS OF THE SPECIFIED PRODUCTS—STEEL WORKS, ROLLING MILLS, ETC. (441 ESTABLISHMENTS).						
	Stocks, Sept. 1, 1918.	Consumption and requirements, 1918.				Stocks, Sept. 1, 1918.	Consumption and requirements, 1918.				Per cent of class total.	
		Total.	For Government contracts.				Total.	For Government contracts.		Stocks.	Consumption and require- ments.	
			Amount.	Per cent.	Amount.			Per cent.				
1. Ingots, blooms, billets, and slabs.....	1, 692, 879	10, 338, 169	6, 349, 834	61.4	1, 639, 943	9, 995, 445	6, 073, 624	60.8	96.9	96.7		
2. Projectile steel.....	381, 000	1, 686, 144	1, 683, 927	99.9	267, 118	1, 000, 319	998, 619	99.8	70.1	59.3		
3. Sheet bars and tin-plate bars.....	190, 317	1, 376, 576	519, 602	37.7	186, 646	1, 372, 284	518, 020	37.7	98.1	99.7		
4. Skelp, flue, etc.....	179, 317	774, 702	263, 589	34.0	176, 202	765, 687	262, 712	34.3	98.3	98.8		
5. Wire rods.....	118, 398	944, 441	295, 838	31.3	79, 056	763, 911	216, 681	28.4	66.8	80.9		
6. Plates ($\frac{1}{2}$ inch and over).....	788, 227	2, 857, 461	2, 136, 253	74.8	186, 815	512, 026	389, 607	76.1	23.7	18.0		
7. Sheets (under $\frac{1}{2}$ inch).....	724, 839	1, 804, 274	618, 767	34.3	147, 558	159, 026	77, 112	48.5	20.4	8.8		
8. Merchant bars and shapes under 3 inches (in- cluding spike, chain, bolt, and nut rods, horseshoe bars, etc.).....	1, 213, 714	3, 760, 087	1, 895, 431	50.4	272, 843	1, 244, 551	810, 821	65.1	22.5	33.1		
9. Reinforced-concrete bars.....	85, 952	73, 302	23, 537	32.1	21, 362	1, 993	206	10.3	24.9	2.7		
10. Long angle splice bars.....	17, 956	85, 616	69, 995	81.8	12, 279	70, 249	67, 165	95.6	68.3	82.1		
11. Structural shapes.....	581, 328	2, 190, 198	1, 591, 428	72.2	151, 539	657, 435	587, 625	89.4	26.1	30.0		
12. Seamless tubes.....	78, 228	204, 892	103, 286	50.4	11, 315	44, 852	20, 145	44.9	14.5	21.9		
13. Tubular products other than seamless tubes..	440, 333	435, 718	163, 193	37.5	112, 412	9, 610	506	5.3	25.5	2.2		
14. Rails:												
50 pounds and over.....	650, 256	1, 208, 804	95, 738	7.9	98, 204	116, 645	47, 866	41.0	15.1	9.6		
Under 50 pounds.....	65, 649	79, 298	41, 675	52.6	20, 644	20, 125	20, 032	99.5	31.4	25.4		
15. Rail joints, fastenings, and tie-plates.....	181, 334	189, 045	3, 893	2.1	24, 566	3, 557	726	20.4	13.6	1.9		
16. Tin plate.....	301, 950	889, 945	88, 707	10.0	45, 590	18, 158	3, 537	19.5	15.1	2.0		
17. Barbed wire.....	10, 201	102, 482	61, 162	58.7	5, 062	80, 823	60, 467	74.8	49.6	79.0		
18. Wire rope.....	24, 695	27, 976	7, 707	27.9	7, 854	210	117	55.7	31.8	0.8		
19. Other wire products.....	296, 839	991, 467	245, 635	24.8	163, 118	501, 480	140, 089	27.9	55.0	50.5		
20. Hoops, bands, and cotton ties.....	91, 912	312, 209	109, 717	35.1	22, 193	133, 976	45, 842	34.2	24.2	42.9		
21. Tool steel.....	61, 586	92, 783	56, 331	60.7	19, 437	10, 093	6, 637	65.8	31.3	10.9		
22. All other finished, rolled, and drawn iron and steel.....	412, 137	1, 264, 497	497, 654	39.3	75, 460	117, 045	75, 713	64.7	18.3	9.1		
TOTAL.....	8, 589, 047	31, 690, 067	16, 922, 899	53.4	3, 747, 216	17, 599, 500	10, 423, 869	59.2	43.6	55.5		
23. Scrap iron and steel.....	1, 873, 988	9, 701, 717	.....	.....	1, 429, 554	8, 447, 426	.....	.....	76.3	87.0		

CLASS OF STEEL.	B.—WHOLESALEERS, JOBBER, AND DEALERS (942 ESTABLISHMENTS).		C.—RAILROAD COMPANIES (499 ESTABLISHMENTS).						D.—SHIPYARDS (102 ESTABLISHMENTS).					
	Stocks, Sept. 1, 1918.		Stocks, Sept. 1, 1918.	Consumption and require- ments, 1918.	Per cent of class total.		Stocks, Sept. 1, 1918.	Consumption and require- ments, 1918.			Per cent of class total.			
	Amount.	Per cent of class total.			Stocks.	Consumption and requirements.		Total.	For Government contracts.		Stocks.	Consumption and requirements.		
									Amount.	Per cent.				
1. Ingots, blooms, billets, and slabs.....	259	(¹)	6, 233	12, 687	0.4	0.1	6, 577	18, 828	18, 693	99.2	0.4	0.2		
2. Projectile steel.....	36	(¹)	20	163	(¹)	(¹)	.....	.....	.....	.....	.....	.....		
3. Sheet bars and tin-plate bars.....	50	(¹)	637	454	0.4	0.1	.....	.....	.....	.....	.....	.....		
4. Skelp, fluc, etc.....	799	0.7	40	76	(¹)	(¹)	8	8	100.0	.....	(¹)	.....		
5. Wire rods.....	29, 227	3.7	69, 272	99, 356	8.8	3.5	249, 746	907, 991	883, 793	97.3	31.7	31.3		
6. Plates ($\frac{1}{2}$ inch and over).....	39, 301	5.4	19, 170	19, 672	2.6	1.1	7, 112	23, 440	22, 257	95.0	1.0	1.3		
7. Sheets (under $\frac{1}{2}$ inch).....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
8. Merchant bars and shapes under 3 inches (including spike, chain, bolt, and nut rods, horseshoe bars, etc.).....	156, 003	12.9	93, 822	193, 357	7.7	5.2	40, 013	110, 299	100, 304	90.9	3.3	2.9		
9. Reinforced-concrete bars.....	22, 657	26.4	7, 426	13, 261	8.6	18.1	371	10, 833	10, 615	98.0	0.4	14.8		
10. Long angle splice bars.....	20	0.1	4, 024	10, 054	22.6	11.8	2	409	378	92.4	(¹)	0.5		
11. Structural shapes.....	25, 937	4.5	38, 372	71, 475	6.6	3.2	135, 289	393, 253	371, 522	94.5	23.2	18.0		
12. Seamless tubes.....	5, 688	7.3	22, 814	27, 265	29.2	13.3	668	1, 332	1, 227	92.2	0.9	0.7		
13. Tubular products other than seamless tubes.....	171, 103	38.9	14, 868	24, 881	3.4	5.7	5, 067	14, 507	13, 327	91.9	1.2	3.3		
14. Rails:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
50 pounds and over.....	5, 371	0.8	494, 935	987, 054	76.0	81.7	3, 040	11, 032	8, 880	80.5	0.5	0.9		
Under 50 pounds.....	5, 877	9.0	4, 941	4, 988	7.5	6.3	333	1, 287	1, 267	98.4	0.5	1.6		
15. Rail joints, fastenings, and tie-plates.....	1, 133	0.6	143, 947	178, 514	79.4	94.5	141	526	302	57.4	0.1	0.3		
16. Tin plate.....	10, 672	3.5	402	978	0.1	0.1	5	202	202	100.0	(¹)	(¹)		
17. Barbed wire.....	1, 453	14.3	1, 839	2, 490	18.0	2.4	1	31	.....	.....	(¹)	(¹)		
18. Wire rope.....	1, 810	7.3	727	1, 519	2.9	5.4	1, 312	5, 126	4, 880	95.2	5.3	18.3		
19. Other wire products.....	33, 399	11.3	4, 126	4, 689	1.3	0.5	96	385	327	84.9	(¹)	(¹)		
20. Hoops, bands, and cotton ties.....	10, 910	11.9	98	105	0.1	(¹)	29	126	68	53.9	(¹)	(¹)		
21. Tool steel.....	5, 599	9.1	1, 178	1, 592	1.9	1.7	519	1, 218	1, 163	95.5	0.9	1.3		
22. All other finished, rolled, and drawn iron and steel.....	15, 051	3.7	11, 421	33, 676	2.7	2.7	1, 495	9, 835	8, 830	89.8	0.3	0.8		
TOTAL.....	542, 355	6.3	940, 312	1, 688, 306	10.9	5.3	451, 816	1, 510, 668	1, 448, 043	95.9	5.3	4.8		
23. Scrap iron and steel.....	16, 874	0.9	145, 598	101, 629	7.8	1.0	4, 823	13, 162			0.3	0.1		

¹ Less than one-tenth of 1 per cent.

IRON AND STEEL PRODUCTS.

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Table IV.—SUMMARY—STOCKS, CONSUMPTION AND REQUIREMENTS—Continued.

CLASS OF STEEL.	E.—WARD DEPARTMENT* (10 ESTABLISHMENTS).					F.—MANUFACTURERS OF AGRICULTURAL IMPLEMENTS AND VEHICLES OTHER THAN MOTOR VEHICLES (610 ESTABLISHMENTS).						
	Stocks, Sept. 1, 1918.	Consumption and requirements, 1918.	Per cent of class total.		Stocks, Sept. 1, 1918.	Consumption and requirements, 1918.				Per cent of class total.		
			Stocks.	Consumption and requirements.		Total.	For Government contracts.		Stocks.	Consumption and requirements.		
							Amount.	Per cent.				
1. Ingots, blooms, billets, and slabs.....	5,611	10,100	0.3	0.1	1,813	4,910	386	7.9	0.1	(1)	(1)	
2. Projectile steel.....						18						
3. Sheet bars and tin-plate bars.....					172	676			0.1	0.1		
4. Skelp, flue, etc.....					39	1,368			(1)	0.2		
5. Wire rods.....	327	427	0.3	0.1	779	1,947	144	7.2	0.7	0.2		
6. Plates ($\frac{1}{2}$ inch and over).....	12,647	9,278	1.6	0.3	14,978	42,326	3,798	0.9	1.9	1.5		
7. Sheets (under $\frac{1}{2}$ inch).....	6,576	2,628	0.9	0.1	27,489	71,529	2,275	3.2	3.8	4.0		
8. Merchant bars and shapes under 3 inches (including spike, chain, bolt, and nut rods, horseshoe bars, etc.).....	5,880	3,021	0.5	0.1	175,203	513,793	51,682	10.1	14.4	13.7		
9. Reinforced-concrete bars.....	2,428	247	2.8	0.3	30	437	13	3.0	(1)	0.6		
10. Long angle splice bars.....	29	24	0.2	(1)	50	64			0.3	0.1		
11. Structural shapes.....	10,109	2,907	1.7	0.1	9,999	17,681	1,281	7.2	1.7	0.8		
12. Seamless tubes.....	232	507	0.3	0.3	1,743	2,578	247	9.6	2.2	1.3		
13. Tubular products other than seamless tubes.....	1,243	1,059	0.3	0.2	9,309	28,985	1,297	4.5	2.1	6.7		
14. Rails:												
50 pounds and over.....	21,333	1,441	3.2	0.1	4				(1)			
Under 50 pounds.....	18,558	23	28.3	(1)	55	101	12	11.9	0.1	0.1		
15. Rail joints, fastenings, and tie-plates.....	7,771	16	4.3	(1)	4				(1)			
16. Tin plate.....	132	6,799	(1)	0.8	218	591			0.1	0.1		
17. Barbed wire.....	1,330	13	13.1	(1)	8	479			0.1	0.5		
18. Wire rope.....	165	77	0.7	0.3	132	457	25	5.5	0.5	1.6		
19. Other wire products.....	2,106	90	0.7	(1)	3,797	14,899	88	0.6	1.4	1.5		
20. Hoops, bands, and cotton ties.....	22	2	(1)	(1)	14,350	31,405	1,703	5.4	15.6	10.1		
21. Tool steel.....	234	660	0.4	0.7	1,292	2,103	57	2.7	2.1	2.3		
22. All other finished, rolled, and drawn iron and steel.....	4,800	7,039	1.1	0.6	43,945	110,816	9,579	8.6	10.7	8.8		
TOTAL.....	101,533	46,358	1.2	0.1	305,409	847,163	72,597	8.6	3.6	2.7		
23. Scrap iron and steel.....	5,354	31,083	0.3	0.3	35,692	155,964			1.9	1.6		

CLASS OF STEEL.	G.—MANUFACTURERS OF MOTOR VEHICLES—AUTOMOBILES, TRUCKS, AND ACCESSORIES (590 ESTABLISHMENTS).					H.—MANUFACTURERS OF BOLTS, NUTS, RIVETS, NAILS, SCREWS, ETC. (214 ESTABLISHMENTS).							
	Stocks, Sept. 1, 1918.	Consumption and requirements, 1918.		Per cent of class total.		Stocks, Sept. 1, 1918.	Consumption and requirements, 1918.				Per cent of class total.		
		Total.	For Government contracts.	Stocks.	Consumption and requirements.		Total.	For Government contracts.		Stocks.	Consumption and requirements.		
								Amount.	Per cent.				
1. Ingots, blooms, billets, and slabs.....	1,969	8,696	3,751	43.1	0.1	220	2,607			(1)	(1)		
2. Projectile steel.....	2,866	19,406	19,406	100.0	0.7		4,250	4,250	100.0		0.3		
3. Sheet bars and tin-plate bars.....	8	12	2	16.7	(1)								
4. Skelp, flue, etc.....						759	2,703	250	9.3	0.4	0.4		
5. Wire rods.....	1,598	5,547	4,289	77.3	1.4	17,491	106,725	44,556	41.8	14.8	11.3		
6. Plates ($\frac{1}{2}$ inch and over).....	15,955	98,431	81,056	82.3	2.0	181	1,019	35	3.4	(1)	(1)		
7. Sheets (under $\frac{1}{2}$ inch).....	85,535	439,605	145,022	32.8	11.8	37,644	37,430	10,333	2.8	5.2	2.1		
8. Merchant bars and shapes under 3 inches (including spike, chain, bolt, and nut rods, horseshoe bars, etc.).....	50,651	151,112	67,265	44.5	4.2	95,746	450,299	286,720	63.7	7.9	12.0		
9. Reinforced-concrete bars.....	3,219	5,493	269	4.9	3.7	30	90	15	16.7	(1)	0.1		
10. Long angle splice bars.....	368	947	430	45.4	2.0								
11. Structural shapes.....	8,793	23,812	10,961	46.0	1.5	10	116	7	6.0	(1)	(1)		
12. Seamless tubes.....	7,258	20,553	11,552	56.2	9.3	105	265	242	91.3	0.1	0.1		
13. Tubular products other than seamless tubes.....	13,509	4,019	1,431	35.6	3.1	298	1,125	218	19.3	(1)	0.3		
14. Rails:													
50 pounds and over.....	798	2,912	1,292	44.4	0.1								
Under 50 pounds.....	30	396	265	66.9	0.1								
15. Rail joints, fastenings, and tie-plates.....	48	381	200	52.5	(1)								
16. Tin plate.....	318	4,773	255	5.3	0.1	78	237	88	37.1	(1)	(1)		
17. Barbed wire.....	1	202	2	0.9	(1)	12	215			0.1	0.2		
18. Wire rope.....	5,922	5,461	165	3.0	24.0	468	506	123	24.3	1.9	1.8		
19. Other wire products.....	5,735	9,347	2,332	24.9	1.9	14,962	52,073	19,383	37.2	5.0	5.3		
20. Hoops, bands, and cotton ties.....	6,647	13,763	4,538	33.0	7.2	1,634	5,205	1,158	22.3	1.8	1.7		
21. Tool steel.....	2,800	5,066	1,924	38.0	3.8	1,156	1,778	932	52.4	1.9	1.9		
22. All other finished, rolled, and drawn iron and steel.....	75,291	480,910	142,109	29.6	18.5	19,156	50,025	29,502	59.0	4.6	4.0		
TOTAL.....	288,819	1,300,844	498,516	38.3	3.4	189,950	716,668	397,812	55.5	2.2	2.3		
23. Scrap iron and steel.....	13,406	80,135			0.7	10,023	16,291			0.5	0.2		

* Including United States Navy Yard, Mare Island, Cal.

¹ Less than one-tenth of 1 per cent.

Table IV.—SUMMARY—STOCKS, CONSUMPTION AND REQUIREMENTS—Continued.

CLASS OF STEEL.	I.—MANUFACTURERS OF ELECTRIC AND ELECTRIC-POWER MACHINERY, APPARATUS, AND SUPPLIES (418 ESTABLISHMENTS).							J.—MANUFACTURERS OF ENGINES, PUMPS, COMPRESSORS, ETC., BOILERS, AND TANKS (629 ESTABLISHMENTS).						
	Stocks, Sept. 1, 1918.	Consumption and requirements, 1918.			Per cent of class total.		Stocks, Sept. 1, 1918.	Consumption and requirements, 1918.			Per cent of class total.			
		Total.	For Government contracts.		Stocks.	Consumption and requirements.		Total.	For Government contracts.		Stocks.	Consumption and requirements.		
			Amount.	Per cent.					Amount.	Per cent.				
1. Ingots, blooms, billets, and slabs.....	1, 151	7, 579	6, 101	80.5	0.1	0.1	7, 263	41, 687	36, 111	86.6	0.4	0.4		
2. Projectile steel.....	305	128	128	100.0	0.1	(1)	51	100			(1)	(1)		
3. Sheet bars and tin-plate bars.....	59	66	2	3.0	(1)	(1)	17				(1)			
4. Skelp, flue, etc.....	26				(1)									
5. Wire rods.....	1, 127	1, 416	994	70.2	0.9	0.2	257	578	128	22.1	0.2	0.1		
6. Plates ($\frac{1}{4}$ inch and over).....	13, 960	26, 966	19, 122	70.9	1.8	0.9	50, 688	395, 700	263, 695	66.6	6.4	13.8		
7. Sheets (under $\frac{1}{4}$ inch).....	47, 344	99, 078	59, 925	60.5	6.5	5.5	55, 808	166, 339	61, 770	37.1	7.7	9.2		
8. Merchant bars and shapes under 3 inches (including spike, chain, bolt, and nut rods, horseshoe bars, etc.).....	21, 147	35, 033	19, 314	55.1	1.7	0.9	33, 740	136, 039	70, 675	52.0	2.8	3.6		
9. Reinforced-concrete bars.....	239	1, 273	62	4.9	0.3	1.8	68	750	346	46.1	0.1	1.0		
10. Long angle splice bars.....	142	293	40	13.7	0.8	0.3	44	318	150	47.1	0.3	0.4		
11. Structural shapes.....	6, 748	22, 855	11, 512	50.4	1.2	1.1	19, 826	53, 412	35, 270	66.6	3.4	2.4		
12. Seamless tubes.....	658	897	511	57.0	0.8	0.4	14, 780	75, 017	55, 165	73.5	18.9	36.6		
13. Tubular products other than seamless tubes.....	5, 683	20, 137	6, 658	33.1	1.3	4.6	18, 819	70, 585	33, 758	78.1	4.3	16.2		
14. Rails:														
50 pounds and over.....	1, 096	2, 109	440	20.9	0.2	0.2	662	736	511	69.4	0.1	0.1		
Under 50 pounds.....	406	1, 287	733	72.5	0.6	1.6	73	55	2	3.6	0.1	0.1		
15. Rail joints, fastenings, and tie-plates.....	65	61	27	44.3	(1)	(1)	3	3			(1)	(1)		
16. Tin plate.....	111	257	208	80.9	(1)	(1)	1, 966	3, 846	68	1.8	0.7	0.4		
17. Barbed wire.....							41	280			0.4	0.3		
18. Wire rope.....	347	732	342	46.7	1.4	2.6	82	532	184	34.6	0.3	1.9		
19. Other wire products.....	1, 298	4, 954	2, 948	59.5	0.4	0.5	1, 075	1, 787	515	28.8	0.4	0.2		
20. Hoops, bands, and cotton ties.....	1, 102	3, 953	3, 265	82.6	1.2	1.3	1, 686	2, 103	358	17.0	1.8	0.7		
21. Tool steel.....	653	1, 294	849	65.6	1.1	1.4	490	1, 231	784	63.7	0.8	1.3		
22. All other finished, rolled, and drawn iron and steel.....	13, 206	36, 510	20, 717	56.7	3.2	2.9	10, 487	28, 555	12, 496	43.7	2.5	2.2		
TOTAL.....	115, 873	266, 878	154, 098	57.7	1.4	0.8	217, 926	979, 653	572, 186	58.4	2.5	3.1		
23. Scrap iron and steel.....	7, 883	25, 736			0.4	0.3	46, 671	158, 568			2.5	1.0		

CLASS OF STEEL.	K.—MANUFACTURERS OF MACHINE TOOLS (437 ESTABLISHMENTS).							L.—MANUFACTURERS OF TOOLS AND HARDWARE (807 ESTABLISHMENTS).						
	Stocks, Sept. 1, 1918.	Consumption and requirements, 1918.			Per cent of class total.		Stocks, Sept. 1, 1918.	Consumption and requirements, 1918.			Per cent of class total.			
		Total.	For Government contracts.		Stocks.	Consumption and requirements.		Total.	For Government contracts.		Stocks.	Consumption and requirements.		
			Amount.	Per cent.					Amount.	Per cent.				
1. Ingots, blooms, billets, and slabs.....	4, 681	13, 248	10, 484	79.1	0.3	0.1	2, 942	10, 465	3, 538	33.8	0.2	0.1		
2. Projectile steel.....	190	101	101	100.0	0.1	(1)		6			(1)	(1)		
3. Sheet bars and tin-plate bars.....		35	32	91.4		(1)	2, 004	74	52	70.3	1.1	(1)		
4. Skelp, flue, etc.....							1, 413	2, 111	586	27.8	0.8	0.3		
5. Wire rods.....	515	882	384	43.5	0.5	0.1	1, 916	13, 567	9, 080	66.9	1.6	1.4		
6. Plates ($\frac{1}{4}$ inch and over).....	2, 443	5, 181	3, 123	50.3	0.3	0.2	1, 498	5, 576	2, 634	47.2	0.2	0.2		
7. Sheets (under $\frac{1}{4}$ inch).....	2, 946	8, 656	2, 248	26.0	0.4	0.5	22, 995	71, 593	27, 109	37.9	3.2	4.0		
8. Merchant bars and shapes under 3 inches (including spike, chain, bolt, and nut rods, horseshoe bars, etc.).....	19, 538	35, 130	20, 441	38.2	1.6	0.9	51, 747	146, 795	78, 427	53.4	4.3	3.9		
9. Reinforced-concrete bars.....	1	100	50	50.0	(1)	0.1	461				0.5			
10. Long angle splice bars.....	4	79	75	94.9	(1)	(1)	2	594	110	18.5	(1)	0.7		
11. Structural shapes.....	2, 075	4, 586	2, 898	63.2	0.4	0.2	576	3, 259	1, 147	35.2	0.1	0.2		
12. Seamless tubes.....	352	693	255	36.8	0.4	0.3	73	1, 427	1, 189	83.3	0.1	0.7		
13. Tubular products other than seamless tubes.....	1, 216	5, 609	4, 422	78.8	0.3	1.3	3, 947	11, 333	3, 946	34.8	0.9	2.6		
14. Rails:														
50 pounds and over.....	7	55			(1)	(1)								
Under 50 pounds.....	145	60	60	100.0	0.2	0.1								
15. Rail joints, fastenings, and tie-plates.....	19	5			(1)	(1)		1	100.0		(1)			
16. Tin plate.....	30	92			(1)	(1)	869	3, 979	1, 397	35.1	0.3	0.4		
17. Barbed wire.....		37	34	91.9	(1)	(1)	62	110	100	90.9	0.6	0.1		
18. Wire rope.....	675	5, 873	115	2.0	2.7	21.0	189	1, 385	37	2.7	0.8	5.0		
19. Other wire products.....	631	1, 554	913	58.8	0.2	0.2	6, 153	23, 043	7, 147	31.0	2.1	2.3		
20. Hoops, bands, and cotton ties.....	106	293	52	17.7	0.1	(1)	9, 155	36, 416	8, 183	22.5	10.0	11.7		
21. Tool steel.....	5, 915	23, 044	19, 161	83.1	9.6	24.8	8, 253	22, 212	12, 483	56.2	13.4	23.9		
22. All other finished, rolled, and drawn iron and steel.....	27, 555	50, 424	37, 395	61.9	6.7	4.8	18, 625	41, 815	18, 457	44.1	4.5	3.3		
TOTAL.....	69, 044	165, 739	102, 243	61.7	0.8	0.5	132, 880	395, 761	175, 623	44.4	1.5	1.3		
23. Scrap iron and steel.....	16, 433	79, 041			0.8	0.8	13, 242	27, 431			0.7	0.3		

¹ Less than one-tenth of 1 per cent.

Table IV.—SUMMARY—STOCKS, CONSUMPTION AND REQUIREMENTS—Continued.

CLASS OF STEEL.	M.—MANUFACTURERS OF MACHINERY OTHER THAN THE FOREGOING (1,023 ESTABLISHMENTS).						N.—MANUFACTURERS OF MUNITIONS AND ORDNANCE (60 ESTABLISHMENTS).					
	Stocks, Sept. 1, 1918.	Consumption and requirements, 1918.			Per cent of class total.		Stocks, Sept. 1, 1918.	Consumption and requirements, 1918.			Per cent of class total.	
		Total.	For Government contracts.		Stocks.	Consumption and requirements.		Total.	For Government contracts.		Stocks.	Consumption and requirements.
			Amount.	Per cent.					Amount.	Per cent.		
1. Ingots, blooms, billets, and slabs.....	4,935	15,986	6,690	41.8	0.3	0.2	1,366	19,744	13,150	66.6	0.1	0.2
2. Projectile steel.....	12,354	297,282	297,020	99.6	3.3	17.6	83,103	304,284	304,284	100.0	21.8	18.0
3. Sheet bars and tin-plate bars.....	273	113	44	38.9	0.1	(¹)	5	45	13	28.9	(¹)	(¹)
4. Skelp, flue, etc.....		8				(¹)						
5. Wire rods.....	341	880	306	34.8	0.3	0.1	165	410	350	85.4	0.1	(¹)
6. Plates ($\frac{1}{2}$ inch and over).....	17,761	50,295	14,544	28.9	2.2	1.8	9,216	33,974	26,594	78.3	1.2	1.2
7. Sheets (under $\frac{1}{2}$ inch).....	19,511	58,016	11,971	20.6	2.7	3.2	6,470	8,956	7,884	88.0	0.9	0.5
8. Merchant bars and shapes under 3 inches (including spike, chain, bolt, and nut rods, horseshoe bars, etc.).....	50,561	140,859	42,896	30.5	4.2	3.7	5,807	25,732	19,149	74.4	0.5	0.7
9. Reinforced-concrete bars.....	189	445	75	16.9	0.2	0.6	46	40	40	100.0	0.1	0.1
10. Long angle splice bars.....	127	618	505	81.7	0.7	0.7		2	2	100.0		(¹)
11. Structural shapes.....	17,783	42,293	15,003	35.5	3.1	1.9	3,588	10,105	5,233	51.8	0.6	0.5
12. Seamless tubes.....	1,823	3,566	1,179	33.1	2.3	1.7	335	255	79	31.0	0.4	0.1
13. Tubular products other than seamless tubes.....	21,212	36,237	11,842	32.7	4.8	8.3	69	262	218	83.2	(¹)	0.1
14. Rails:												
50 pounds and over.....	738	1,388	192	13.8	0.1	0.1		20				(¹)
Under 50 pounds.....	1,043	3,995	459	11.5	1.6	5.0						
15. Rail joints, fastenings, and tie-plates.....	410	454	22	4.8	0.2	0.2						
16. Tin plate.....	784	2,026	379	14.4	0.3	0.2	3,418	14,572	149	1.0	(¹)	1.6
17. Barbed wire.....	13	98	1	1.0	0.1	0.1						
18. Wire rope.....	667	2,114	513	24.3	2.7	7.6	4	88	41	46.6	(¹)	0.3
19. Other wire products.....	2,956	6,705	2,401	35.8	1.0	0.7	569	2,992	1,350	45.1	0.2	0.3
20. Hoops, bands, and cotton ties.....	941	3,338	1,099	32.9	1.0	1.0	199	273	215	79.1	0.2	0.1
21. Total steel.....	4,744	12,246	6,559	53.6	7.7	13.2	756	1,658	1,209	72.5	1.3	1.1
22. All other finished, rolled, and drawn iron and steel.....	34,573	93,870	28,539	30.4	8.4	7.4	5,470	13,565	7,357	54.2	1.3	1.1
TOTAL.....	193,739	772,782	442,239	57.2	2.2	2.4	120,606	436,987	387,318	88.6	1.4	1.4
23. Scrap iron and steel.....	29,405	135,287			1.6	1.4	5,355	16,329			0.3	0.2

CLASS OF STEEL.	O.—FABRICATIONS—STRUCTURAL AND ARCHITECTURAL IRONWORK (636 ESTABLISHMENTS).						P.—MISCELLANEOUS (3,076 ESTABLISHMENTS).					
	Stocks, Sept. 1, 1918.	Consumption and requirements, 1918.			Per cent of class total.		Stocks, Sept. 1, 1918.	Consumption and requirements, 1918.			Per cent of class total.	
		Total.	For Government contracts.		Stocks.	Consumption and requirements.		Total.	For Government contracts.		Stocks.	Consumption and requirements.
			Amount.	Per cent.					Amount.	Per cent.		
1. Ingots, blooms, billets, and slabs.....	2,774	166,786	160,998	96.5	0.1	1.6	5,142	9,401	6,208	66.0	0.3	0.1
2. Projectile steel.....	392	2			0.1	(¹)	14,621	60,248	60,119	99.8	3.8	3.6
3. Sheet bars and tin-plate bars.....	79	283	11	3.9	(¹)	(¹)	998	2,825	1,426	50.0	0.5	0.2
4. Skelp, flue, etc.....	1				(¹)		190	2,371	41	1.7	0.1	0.3
5. Wire rods.....	935	7,399	1,879	25.4	0.7	0.7	13,052	40,668	16,612	40.8	11.0	4.3
6. Plates ($\frac{1}{2}$ inch and over).....	77,674	450,411	331,741	73.7	9.9	15.8	36,166	218,931	107,233	49.0	4.6	7.7
7. Sheets (under $\frac{1}{2}$ inch).....	19,350	82,588	34,802	42.1	2.7	4.6	180,030	555,718	153,431	27.6	24.8	30.8
8. Merchant bars and shapes under 3 inches (including spike, chain, bolt, and nut rods, horseshoe bars, etc.).....	43,013	192,698	117,013	60.7	3.5	5.1	98,000	381,369	207,713	54.5	8.1	10.2
9. Reinforced-concrete bars.....	27,014	37,699	11,442	30.3	31.4	51.4	411	641	157	24.5	0.5	0.9
10. Long angle splice bars.....	374	512	307	74.5	2.1	0.6	491	1,434	807	56.4	2.6	1.7
11. Structural shapes.....	124,943	757,801	478,818	63.2	21.5	34.6	25,741	129,208	67,244	52.0	4.4	5.9
12. Seamless tubes.....	442	1,524	1,073	70.4	0.6	0.8	9,942	24,161	9,915	41.0	12.7	11.8
13. Tubular products other than seamless tubes.....	7,852	21,932	12,703	57.9	1.8	5.0	53,726	185,437	71,608	38.6	12.0	42.6
14. Rails:												
50 pounds and over.....	1,736	9,209	3,691	40.1	0.3	0.8	22,332	76,203	31,425	41.2	3.4	6.3
Under 50 pounds.....	911	1,823	747	41.0	1.4	2.3	12,633	45,158	17,875	39.6	19.2	57.0
15. Rail joints, fastenings, and tie-plates.....	564	593	252	42.5	0.3	0.3	2,643	4,934	2,347	47.6	1.5	2.6
16. Tin plate.....	502	4,903	2,859	58.3	0.2	0.6	236,855	828,532	72,766	8.8	78.5	93.1
17. Barbed wire.....	60	727	72	1.0	0.6	0.7	319	16,977	473	2.8	3.1	16.6
18. Wire rope.....	85	377	262	69.5	0.3	1.3	4,256	3,519	826	23.5	17.4	12.6
19. Other wire products.....	2,099	13,875	4,593	33.1	0.7	1.4	54,719	353,594	63,459	17.9	18.4	35.7
20. Hoops, bands, and cotton ties.....	1,050	781	247	31.6	1.2	0.2	21,790	80,470	42,976	53.4	23.7	25.8
21. Tool steel.....	137	353	138	39.1	0.2	0.4	8,923	8,225	3,775	45.9	14.5	8.9
22. All other finished, rolled, and drawn iron and steel.....	3,237	7,780	3,319	42.7	0.8	0.7	52,365	172,680	96,602	55.9	12.7	13.7
TOTAL.....	315,224	1,760,056	1,166,957	66.3	3.7	5.6	855,345	3,202,704	1,035,040	32.3	10.0	10.1
23. Scrap iron and steel.....	17,058	161,274			0.9	1.7	76,617	253,240			4.1	2.6

¹ Less than one-tenth of 1 per cent.

CENSUS OF WAR COMMODITIES.

Table IV.—SUMMARY—STOCKS, CONSUMPTION AND REQUIREMENTS—Continued.
(Per cent distribution based on figures shown on the preceding pages.)

CLASS OF STEEL.	STOCKS.															
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
	Steel works, rolling mills, etc.	Wholesalers, jobbers, and dealers.	Railroad companies.	Shipyards.	War Department.	Agricultural implements, etc.	Motor vehicles, etc.	Bolts, nuts, etc.	Electric machinery, etc.	Engines, pumps, etc.	Machine tools.	Tools and hardware.	Other machinery.	Munitions and ordnance.	Fabrications.	Miscellaneous.
1. Ingots, blooms, billets, and slabs.	96.9	(1)	0.4	0.4	0.3	0.1	0.1	(1)	0.1	0.4	0.3	0.2	0.3	0.1	0.1	0.3
2. Projectile steel.	70.1						0.7		0.1	(1)	0.1		3.3	21.8	0.1	3.8
3. Sheet bars and tin-plate bars.	98.1	(1)	(1)			0.1	(1)		(1)	(1)		1.1	0.1	(1)	(1)	0.5
4. Skelp, flue, etc.	98.3	(1)	0.4			(1)		0.4	(1)			0.8			(1)	0.1
5. Wire rods.	66.8	0.7	(1)		0.3	0.7	1.4	14.8	0.9	0.2	0.5	1.6	0.3	0.1	0.7	11.0
6. Plates ($\frac{1}{4}$ inch and over)	23.7	3.7	8.8	31.7	1.6	1.9	2.0	(1)	1.8	6.4	0.3	0.2	2.2	1.2	9.9	4.6
7. Sheets (under $\frac{1}{4}$ inch)	20.4	5.4	2.6	1.0	0.9	3.8	11.8	5.2	6.5	7.7	0.4	3.2	2.7	0.9	2.7	24.8
8. Merchant bars and shapes under 3 inches (including spike, chain, bolt, and nut rods, horseshoe bars, etc.)	22.5	12.9	7.7	3.3	0.5	14.4	4.2	7.9	1.7	2.8	1.6	4.3	4.2	0.5	3.5	8.1
9. Reinforced-concrete bars.	24.9	26.4	8.6	0.4	2.8	(1)	3.7	(1)	0.3	0.1	(1)	0.5	0.2	0.1	31.4	0.5
10. Long angle splice bars.	68.3	0.1	22.6	(1)	0.2	0.3	2.0		0.8	0.3	(1)	(1)	0.7		2.1	2.6
11. Structural shapes.	26.1	4.5	6.6	23.2	1.7	1.7	1.5	(1)	1.2	3.4	0.4	0.1	3.1	0.6	21.5	4.4
12. Seamless tubes.	14.5	7.3	29.2	0.9	0.3	2.2	9.3	0.1	0.8	18.9	0.4	0.1	2.3	0.4	0.6	12.7
13. Tubular products other than seamless tubes.	25.5	38.9	3.4	1.2	0.3	2.1	3.1	(1)	1.3	4.3	0.3	0.9	4.8	(1)	1.8	12.0
14. Rails:																
50 pounds and over.	15.1	0.8	76.0	0.5	3.2	(1)	0.1		0.2	0.1	(1)		0.1		0.3	3.4
Under 50 pounds.	31.4	9.0	7.5	0.5	28.3	0.1	0.1		0.6	0.1	0.2		1.6		1.4	19.2
15. Rail joints, fastenings, and tie-plates.	13.6	0.6	79.4	0.1	4.3	(1)	(1)		(1)	(1)	(1)		0.2	(1)	0.3	1.5
16. Tin plate.	15.1	3.5	0.1	(1)	(1)	0.1	0.1	(1)	(1)	0.7	(1)	0.3	0.3	1.1	0.2	78.5
17. Barbed wire.	49.6	14.3	18.0	(1)	13.1	0.1	(1)	0.1	(1)	0.4		0.6	0.1		0.6	3.1
18. Wire rope.	31.8	7.3	2.9	5.3	0.7	0.5	24.0	1.9	1.4	0.3	2.7	0.8	2.7	(1)	0.3	17.4
19. Other wire products.	55.0	11.3	1.3	(1)	0.7	1.4	1.9	5.0	0.4	0.4	0.2	2.1	1.0	0.2	0.7	18.4
20. Hoops, bands, and cotton ties.	24.2	11.9	0.1	(1)	(1)	15.6	7.2	1.8	1.2	1.8	0.1	10.0	1.0	0.2	1.2	23.7
21. Tool steel.	31.3	9.1	1.9	0.9	0.4	2.1	3.8	1.9	1.1	0.8	9.6	13.4	7.7	1.3	0.2	14.5
22. All other finished, rolled, and drawn iron and steel.	18.3	3.7	2.7	0.3	1.1	10.7	18.5	4.6	3.2	2.5	6.7	4.5	8.4	1.3	0.8	12.7
TOTAL.	43.6	6.3	10.9	5.3	1.2	3.6	3.4	2.2	1.4	2.5	0.8	1.5	2.2	1.4	3.7	10.0
23. Scrap iron and steel.	76.3	0.9	7.8	0.3	0.3	1.9	0.7	0.5	0.4	2.5	0.8	0.7	1.6	0.3	0.9	4.1

CLASS OF STEEL.	CONSUMPTION AND REQUIREMENTS (TOTAL): 1918.														
	A	C	D	E	F	G	H	I	J	K	L	M	N	O	P
	Steel works, rolling mills, etc.	Railroad companies.	Shipyards.	War Department.	Agricultural implements, etc.	Motor vehicles, etc.	Bolts, nuts, etc.	Electric machinery, etc.	Engines, pumps, etc.	Machine tools.	Tools and hardware.	Other machinery.	Munitions and ordnance.	Fabrications.	Miscellaneous.
1. Ingots, blooms, billets, and slabs.....	96.7	0.1	0.2	0.1	(1)	0.1	(1)	0.1	0.4	0.1	0.1	0.2	0.2	1.6	0.1
2. Projectile steel.....	59.3				(1)	1.2	0.3	(1)	(1)	(1)	(1)	17.6	18.0	(1)	3.6
3. Sheet bars and tin-plate bars.....	99.7	(1)			0.1	(1)		(1)		(1)		(1)	(1)	(1)	0.2
4. Skelp, flue, etc.....	98.8	0.1			0.2		0.4					0.3	(1)		0.3
5. Wire rods.....	80.9	(1)	(1)	0.1	0.2	0.6	11.3	0.2	0.1	0.1	1.4	0.1	(1)	0.7	4.3
6. Plates ($\frac{1}{4}$ inch and over).....	18.0	3.5	31.3	0.3	1.5	3.4	(1)	0.9	13.8	0.2	0.2	1.8	1.2	15.8	7.7
7. Sheets (under $\frac{1}{4}$ inch).....	8.8	1.1	1.3	0.1	4.0	24.4	2.1	5.5	9.2	0.5	4.0	3.2	0.5	4.6	30.8
8. Merchant bars and shapes under 3 inches (including spike, chain, bolt, and nut rods, horseshoe bars, etc.).....	33.1	5.2	2.9	0.1	13.7	4.0	12.0	0.9	3.6	0.9	3.9	3.7	0.7	5.1	10.2
9. Reinforced-concrete bars.....	2.7	18.1	14.8	0.3	0.6	7.5	0.1	1.8	1.0	0.1		0.6	0.1	51.4	0.9
10. Long angle splice bars.....	82.1	11.8	0.5	(1)	0.1	1.1		0.3	0.4	(1)	0.7	0.7	(1)	0.6	1.7
11. Structural shapes.....	30.0	3.2	18.0	0.1	0.8	1.1	(1)	1.1	2.4	0.2	0.2	1.9	0.5	34.6	5.9
12. Seamless tubes.....	21.9	13.3	0.7	0.3	1.3	10.0	0.1	0.4	36.6	0.3	0.7	1.7	0.1	0.8	11.8
13. Tubular products other than seamless tubes.....	2.2	5.7	3.3	0.2	6.7	0.9	0.3	4.6	16.2	1.3	2.6	8.3	0.1	5.0	42.6
14. Rails:															
50 pounds and over.....	9.6	81.7	0.9	0.1		0.2		0.2	0.1	(1)		0.1	(1)	0.8	6.3
Under 50 pounds.....	25.4	6.3	1.6	(1)	0.1	0.5		1.6	0.1	0.1		5.0		2.3	57.0
15. Rail joints, fastenings, and tie-plates.....	1.9	94.5	0.3	(1)		0.2		(1)	(1)	(1)		0.2		0.3	2.6
16. Tin plate.....	2.0	0.1	(1)	0.8	0.1	0.5	(1)	(1)	0.4	(1)	0.4	0.2	1.6	0.6	93.1
17. Barbed wire.....	79.0	2.4	(1)	(1)	0.5	0.2	0.2		0.3	(1)	0.1	0.1		0.7	16.6
18. Wire rope.....	0.8	5.4	18.3	0.3	1.6	19.5	1.8	2.6	1.9	21.0	5.0	7.6	0.3	1.3	12.6
19. Other wire products.....	50.5	0.5	(1)	(1)	1.5	0.9	5.3	0.5	0.2	0.2	2.3	0.7	0.3	1.4	35.7
20. Hoops, bands, and cotton ties.....	42.9	(1)	(1)	(1)	10.1	4.4	1.7	1.3	0.7	0.1	11.7	1.0	0.1	0.2	25.8
21. Tool steel.....	10.9	1.7	1.3	0.7	2.3	5.2	1.9	1.4	1.3	24.8	23.9	13.2	1.1	0.4	8.9
22. All other finished, rolled, and drawn iron and steel.....	9.1	2.7	0.8	0.6	8.8	38.0	4.0	2.9	2.2	4.8	3.3	7.4	1.1	0.7	13.7
TOTAL.....	55.5	5.3	4.8	0.1	2.7	4.1	2.3	0.8	3.1	0.5	1.3	2.4	1.4	5.6	10.1

To be forwarded within 10 days

WAR INDUSTRIES BOARD

BERNARD BARUCH, CHAIRMAN

IN COOPERATION WITH THE

DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

SAM. L. ROGERS, DIRECTOR

STATISTICS OF IRON AND STEEL PRODUCTS

EUGENE F. HARTLEY

CHIEF STATISTICIAN FOR MANUFACTURES

NAME OF ESTABLISHMENT.....

LOCATION OF ESTABLISHMENT: State, City or town.....

ADDRESS OF GENERAL OFFICE

NATURE OF BUSINESS Class A, B, or C.

(such as "tube mill," "jobber," "tool manufacturer," etc.)

IF A COMBINED REPORT, ENUMERATE PLANTS AND ESTABLISHMENTS COVERED BY THIS REPORT.

NAMES AND ADDRESSES:

The following classes of establishments are asked to report:

A. Steel works, rolling mills, tube mills, forging shops, wire-drawing mills, tinplate mills, and all other manufacturers of the products mentioned in Inquiry I of this questionnaire.

B. Wholesalers, jobbers, dealers, warehouses, and supply houses carrying stocks of the products listed under Inquiry I of this questionnaire.

C. Consumers of these products or establishments using them in the manufacture of more highly finished products.

WASHINGTON, D. C., August 27, 1918.

A census of capacity and stocks of iron and steel products, accurate data concerning which are absolutely necessary to the proper conduct and furtherance of the war, is authorized by the Secretary of Commerce under the provisions of section 8 of the organic act creating the Department of Commerce and Labor, as follows:

"That the Secretary of Commerce * * * shall * * * from time to time make such special investigations and reports as he may be required to do by the President, or by either House of Congress, or which he himself may deem necessary and urgent.

Second, the Secretary of the President of the United States, under date of April 8, 1918, as follows: "The Secretary of Commerce is hereby authorized to make such special investigations and reports as he may deem necessary and urgent, and he is called for by any branch of the Federal Government in connection with the conduct of the war."

Information regarding individual concerns will be kept strictly confidential, but aggregate statistics may be placed at the disposal of the trade.

Important.—The present war emergency demands the patriotic cooperation of all interests that centralized information and the prompt and complete use of all facilities, the conservation of raw materials and efficient distribution thereof. Accurate and prompt replies are imperative.

SAM. L. ROGERS,
Director of the Census.

CERTIFICATE

This is to certify that the information contained in this schedule is complete and correct to the best of my knowledge and belief.

(Signature of person furnishing the information.)

Date,, 1918.

(Title and address.)

C-2018

I. Stocks on Hand or in Transit to Establishment.

Report stocks as of September 1, 1918.

(c) This inquiry is designed primarily to show the stocks of iron and steel available for the manufacture and fabrication of finished iron and steel commodities, tools, machines, and constructions as a basis of war program.

The following classes of establishments are asked to report:

A. Steel works, rolling mills, tube mills, forging shops, wire-drawing mills, tinplate mills, and all other manufacturers of the products mentioned in Inquiry I of this questionnaire.

B. Wholesalers, jobbers, dealers, warehouses, and supply houses carrying stocks of the products listed under Inquiry I of this questionnaire.

C. Consumers of these products or establishments using them in the manufacture of more highly finished products.

(b) All classes of establishments: Report stocks in possession in your own mills, works, warehouses, storehouses, and other spaces owned or rented by you in the United States and Canada whether you have title to the same or not. Exclude stocks already in process of manufacture into more highly finished forms. Include stocks in transit to you.

(c) Establishments of the first (A) and second (B) classes, that is manufacturers of the products listed under this inquiry and dealers in the same, should not report stocks sold and in transit from their mills or warehouses as these will be reported by the consignee or purchaser.

State all tonnage in net tons of 2,000 pounds.

Tons.

1. Ingots, blooms, billets, and slabs.....

2. Sheet bar and tinplate bar.....

3. Skelp, flue, etc.....

4. Wire rods.....

5. Projectile steel.....

6. Plates (½ inch and over in thickness).....

7. Sheets (under ½ inch in thickness).....

8. Merchant bars and shapes under 3 inches (including spike and chain rods, bolt and nut rods, horseshoe bars, etc.).....

9. Reinforced-concrete bars.....

10. Long angle splice bars.....

11. Structural shapes.....

12. Seamless tubes.....

13. Tubular products other than seamless tubes.....

14. Rails:

50 pounds and over.....

Under 50 pounds.....

15. Rail joints, fastenings, and tie-plates.....

16. Tinplate.....

17. Barbed wire.....

18. Wire rope.....

19. Other wire products.....

20. Hoops, bands, and cotton ties.....

21. Tool steel.....

22. All other finished, rolled, and drawn iron and steel (specify the principal commodities and tonnage; do not include pig iron, castings, forgings, or parts finished or in process).....

23. Scrap iron and steel.....

(2)

C-2018

STATISTICS OF LEATHER

WASHINGTON, D. C., September 25, 1918.—The results of the census of leather stocks on hand and in transit in the United States, May 31, 1918, obtained by the Bureau of the Census at the request of the War Industries Board, have been issued by Director Sam. L. Rogers of the Bureau of the Census, Department of Commerce. The work was done under the supervision of Eugene F. Hartley, Chief Statistician for Manufactures. A thorough canvass of the United States was made for leather stocks on hand May 31, 1918. Schedules were sent to manufacturers of boots and shoes, gloves, and harness and saddlery, and to dealers in leather and to tanners who do not report to the Tanners' Council. In order to include all establishments where there was likelihood of a leather supply, schedules were also sent to manufacturers of automobiles, carriages and wagons, and to repair shops, etc. Of the 26,200 schedules mailed, 3,266 reported stocks of leather or findings on hand.

Leather stocks were reported to the Census Bureau by manufacturers of boots and shoes, gloves, harness and saddlery, and other leather goods, and by dealers, importers, and tanners not reporting to the Tanners' Council.

The census schedule requested that stock reported to the Tanners' Council should not be included in the census returns. There is presented, however, at the end of the report, a statement showing the total finished leather on hand and in transit, May 31, 1918, as reported to the Tanners' Council and to the Bureau of the Census.

A summary following shows total leather stocks owned in the United States, May 31, 1918, giving the number of sides, skins, etc., with equivalent in pounds or square feet.

Table I gives the leather stocks on hand, showing separately the stocks reported by the several classes of manufacturers and by dealers and tanners.

Table II shows a distribution by states of the quantities of the various kinds of leather reported by the different groups of manufacturers and by leather dealers and tanners.

Table III shows the total quantities of the various kinds of cut stock and findings, the quantities reported by the manufacturers of boots and shoes, of cut stock, of other leather goods (including gloves and harness and saddlery), and by dealers and tanners being shown separately.

CENSUS OF LEATHER STOCKS ON HAND AND IN TRANSIT IN THE UNITED STATES, MAY 31, 1918, TAKEN BY THE BUREAU OF THE CENSUS AT THE REQUEST OF THE WAR INDUSTRIES BOARD.

KIND OF LEATHER.	Unit of measure.	Quantity.	KIND OF LEATHER.	Unit of measure.	Quantity.
Sole leather.....	Backs, bends, sides (number)	1,194,536	Fancy leather—Continued.		
	Pounds.....	15,390,525	Seal.....	Skins (number).....	44,819
Sole offal leather.....	Pounds.....	30,119,941		Pounds.....	178,681
Shoe upper leather (except patent):			Pig.....	Skins (number).....	38,816
Cattle—				Pounds.....	160,479
Grains.....	Sides (number).....	1,941,351	All other.....	Skins (number).....	65,148
	Square feet.....	31,503,129		Pounds.....	256,287
Splits—			Shearlings (tanned).....	Skins (number).....	28,918
Whole side.....	Whole sides (number).....	757,086		Pounds.....	129,153
	Square feet.....	8,627,956	Chamois.....	Skins (number).....	28,328
Butt split.....	Butt splits (number).....	709,958		Pounds.....	5,153
	Square feet.....	4,889,118	Textile leather.....	Pounds.....	254,498
Horse—			Belting leather.....	Butts (number).....	120,502
Fronts.....	Whole fronts (number).....	162,391		Pounds.....	2,327,301
	Square feet.....	2,197,146	Harness leather:		
Butts.....	Whole butts (number).....	219,142	Black.....	Backs and sides (number)...	378,815
	Square feet.....	2,330,342		Pounds.....	6,071,932
Colt, ass, and mule.....	Skins (number).....	47,847	Russet.....	Backs and sides (number)...	40,636
	Square feet.....	344,333		Pounds.....	573,490
Calf and kip.....	Skins (number).....	2,120,804	Skirting and collar leather.....	Sides (number).....	110,813
	Square feet.....	21,197,125		Pounds.....	1,027,859
Sheep and lamb.....	Skins (number).....	2,881,481	Bag and strap leather.....	Backs and sides (number)...	82,202
	Square feet.....	27,018,254		Pounds.....	1,393,856
Goat and kid.....	Skins (number).....	7,992,088	Upholstery leather:		
	Square feet.....	36,360,684	Grains.....	Whole hides (number).....	95,191
Cabretta.....	Skins (number).....	1,291,366		Whole hides (number).....	99,677
	Square feet.....	7,797,740	Horse butts (not elsewhere specified)...	Pieces (number).....	5,306
Kangaroo and wallaby.....	Skins (number).....	249,373		Pounds.....	44,852
	Square feet.....	1,296,320	Pig and hog leather (not elsewhere specified):		
Deer and elk.....	Skins (number).....	108,636	Skins.....	Skins (number).....	30,268
	Square feet.....	819,614		Pounds.....	123,024
All other.....	Pounds.....	650,037	Strips.....	Pounds.....	748,129
	Square feet.....	3,745,361	Side leather (not elsewhere specified)...	Sides (number).....	56,908
Patent leather (except upholstery):				Pounds.....	863,985
Cattle—			Rough leather:		
Grains.....	Sides (number).....	407,447	Butts.....	Butts (number).....	41,659
	Square feet.....	4,560,341		Pounds.....	981,126
Splits.....	Sides (number).....	56,221	Sides, hacks, and bends.....	Sides, hacks, bends (number)	32,596
	Pounds.....	634,742		Pounds.....	415,729
Horse—			Skins.....	Skins (number).....	3,735
Fronts.....	Whole fronts (number).....	11,761		Pounds.....	15,315
	Square feet.....	150,876	Other leather.....	Pounds.....	7,829,040
Butts.....	Whole butts (number).....	23,655	Furs and woolled skins.....	Skins (number).....	137,993
	Square feet.....	187,634			
Colt, ass, and mule.....	Skins (number).....	18,815			
	Square feet.....	220,089			
Goat and kid.....	Skins (number).....	124,133			
	Square feet.....	501,629			
All other.....	Pounds.....	29,035			
	Square feet.....	288,390			
Glove leather:					
Cattle—					
Grains.....	Sides (number).....	27,185			
	Square feet.....	443,381			
Splits.....	Sides (number).....	349,370			
	Pounds.....	2,130,623			
Horse—					
Fronts.....	Whole fronts (number).....	225,711			
	Square feet.....	3,189,438			
Butts.....	Whole butts (number).....	30,118			
	Square feet.....	422,862			
Colt, ass, and mule.....	Skins (number).....	15,876			
	Square feet.....	212,963			
Calf and kip.....	Skins (number).....	26,817			
	Square feet.....	319,760			
Sheep and lamb.....	Skins (number).....	1,832,499			
	Square feet.....	11,923,107			
Goat and kid.....	Skins (number).....	316,129			
	Square feet.....	1,589,038			
Deer and elk.....	Skins (number).....	92,277			
	Square feet.....	926,926			
All other.....	Pounds.....	119,923			
	Square feet.....	809,247			
Fancy leather:					
Bookbinder's buffings.....	Pieces (number).....	258,127			
	Pounds.....	308,328			
Fleshers and skivers.....	Pieces (number).....	481,731			
	Pounds.....	1,235,367			

BOOT AND SHOE CUT STOCK AND FINDINGS ON HAND AND IN TRANSIT, MAY 31, 1918.

KIND. [Unit, pair, except as specified.]	Men's, boys' and youths'.	Women's, misses' and children's.
Outer soles, 9-Iron and up.....	8,055,755	5,531,109
Outer soles, under 9-Iron.....	19,826,435	33,559,231
Half soles.....	9,472,241	6,364,888
Middle soles.....	4,851,936	2,767,869
Inner soles, Goodyear.....	3,691,345	4,259,613
Inner soles, Gem.....	5,427,977	5,736,554
Inner soles, McKay.....	5,005,798	12,486,884
Leather counters.....	16,629,510	22,623,877
Leather heels.....	6,845,241	8,580,028
Leather top pieces.....	14,861,178	16,832,740
Leather heel lifts (pounds).....	3,050,098	3,109,820
Leather box toes.....	5,229,842	3,322,889
All other leather cut stock (pounds).....	2,597,038	1,438,827
Rubber full soles.....	423,197	315,782
Rubber half soles.....	215,924	91,008
Rubber heels.....	7,412,580	4,007,946
Fiber soles.....	981,142	411,151
Other leather-substitute soles.....	543,508	130,459
Fiber counters.....	11,182,303	13,780,551
Welting.....	running yards ..	19,698,209
Leather tongues and stays.....	pounds ..	394,960
Cotton lining.....	yards ..	16,436,363
Cloth and upper fabric for uppers.....	yards ..	5,367,033

TABLE I.—LEATHER STOCKS ON HAND AND IN TRANSIT IN THE UNITED STATES, MAY 31, 1918, BY KINDS.

KIND OF LEATHER.		Unit of measure.	TOTAL.		REPORTED BY—													
			Number.	Quantity.	Boot and shoe manu- facturers.		Cut stock manu- facturers.		Harness and saddlery manu- facturers.		Glove manu- facturers.		Other manu- facturers of leather goods.		Dealers in leather.		Tanners. ¹	
			Num- ber.	Quan- tity.	Num- ber.	Quan- tity.	Num- ber.	Quan- tity.	Num- ber.	Quan- tity.	Num- ber.	Quan- tity.	Num- ber.	Quan- tity.	Num- ber.	Quan- tity.	Num- ber.	Quan- tity.
Sole leather.....	Backs, bends, and sides.	Pounds.....	470,501	8,164,289	357,587	4,770,988	10,253	145,514			37,238	Pounds.....	601,493	243,004	3,114,069	75,953	Pounds.....	1,594,172
		30,119,941	8,510,481		13,589,527		644,788			28,150		1,639,659		4,790,654		916,082		
Sole offal leather.....		Square feet.....		122,628,483		1,352,011		709,324				Sq. ft.....	4,727,316		8,111,919		Sq. ft.....	8,149,882
Shoe upper leather (except patent), total.	Cattle—	Grains.....	1,658,439	26,867,590	3,887	69,829	8,743	142,680	150	3,000	23,018	385,323	57,968	1,100,074	189,146	2,934,633		
		Splints.....	449,161	4,349,895	8,433	121,009	21,946	235,576	180,033	2,140,207	55,059	1,262,075	31,589	407,723	10,865	111,471		
Horse—	Whole sides.....	Butts.....	442,490	3,122,078	23,082	193,828	5,112	45,997	2,812	23,111	33,285	265,566	12,350	90,901	190,827	1,141,727		
		Fronts.....	113,759	1,626,076	3	48	3,556	58,681	4	55	2,734	42,180	14,875	148,955	27,757	321,151		
Calf and mule.....	Whole butts.....	Butts.....	142,726	1,647,120	28	353	269	3,141	2,718	37,567	1,790	19,877	19,439	230,748	52,172	391,536		
		Skins.....	46,443	327,876	26	500	10	98			847	8,470	521	7,389				
Sheep and lamb.....	Skins.....	Skins.....	1,988,778	19,897,255	4,441	45,749	2,264	23,890	2,124	12,410	12,934	158,708	64,607	562,594	45,656	496,524		
		Skins.....	2,087,191	20,965,734	76,217	803,504	12,985	114,521	8,807	44,275	276,982	2,089,655	348,641	2,432,113	70,688	549,052		
Goat and kid.....	Skins.....	Skins.....	6,928,664	32,138,090	8,923	45,792	3,176	22,982	405	2,832	37,141	204,153	649,747	2,257,955	364,032	1,688,880		
		Skins.....	1,063,768	6,607,219	4,220	21,576	6,324	48,268	126	1,260	17,743	83,056	130,389	605,798	68,796	430,563		
Patent leather (except upholstery), total.	Cattle—	Skins.....	249,373	1,296,320	226,810	1,174,505	877	2,107	535	3,357	1,804	14,686	5,247	25,200	14,100	76,375		
		Skins.....	108,686	1,819,614	103,947	1,784,195	6	125	247	2,037	456	731	8,157	3,249	20,637			
Glove leather, total.	Cattle—	All other.....	8,650,037	3,745,361	8,173,944	3,115,892	169,113	47,591	4,733	8,386	900	177,765	65,883	186,015	233,454	201,742	2,000	7,970
		Grains.....	407,447	4,560,341	263,939	2,141,221	231	3,560	2,558	5,609			2,150	40,801	25,110	350,241	113,459	2,018,909
Horse—	Whole fronts.....	Sides.....	56,221	589,536	32,421	518,736	3,124	49,984	311	4,976	4,166	66,656	7,474	119,584	6,261	100,176	2,464	39,424
		Butts.....	11,761	150,876	6,389	83,736	2	20	1	12	1,178	18,369	36	460	4,155	38,279		
Colt, ass, and mule.....	Skins.....	Whole butts.....	28,655	187,634	26,580	154,796					1,848	28,295	141	4,020	86	523		
		Skins.....	18,815	220,089	15,572	184,686	2,530	27,172	2	14			240	2,402	471	5,815		
Goat and kid.....	Skins.....	Skins.....	124,133	501,629	108,682	423,885	1,301	4,081	21	147	360	1,691	2,940	13,394	7,275	41,046	3,554	15,385
		All other.....	29,035	4,288,390	26,584	266,554	1,250	4,081	1,015	169	10	11,079	4,059	2,883	10,117	7,705		
Glove leather, total.	Cattle—	Grains.....		24,727,902		54,344		192,062		10,280,914		2,433,899		532,222		1,143,952		
		Splints.....	27,185	443,381	12,010	199,169	144	1,912	312	6,052	9,177	116,393	2,001	63,187	2,545	42,664	996	14,004
Horse—	Whole fronts.....	Sides.....	349,370	4,891,180	6,427	89,978	111	1,554	12,165	170,310	298,348	4,176,872	13,952	195,328	7,160	100,240	11,207	156,898
		Butts.....	225,711	3,189,438	2,632	20,004	180	2,672			221,323	3,144,864	1,169	15,160	255	4,209	152	2,439
Colt, ass, and mule.....	Skins.....	Whole butts.....	30,118	422,862	1,984	26,691					26,130	369,089	176	2,816	105	1,866	1,723	22,400
		Skins.....	15,876	212,943	8,132	151,792			3	20	7,137	55,711	604	5,440				
Sheep and lamb.....	Skins.....	Skins.....	319,760	3,917,760	5,002	57,817			90	962	10,456	127,497	7,686	71,548	1,621	14,935	1,962	17,188
		Skins.....	1,832,499	11,923,107	26,612	208,977			597	4,955	1,492,305	9,463,417	155,313	1,885,360	54,718	386,720	103,054	673,668
Goat and kid.....	Skins.....	Skins.....	316,129	1,589,038	58,291	221,294			84	404	145,568	624,793	86,661	606,739	3,795	18,148	21,730	117,660
		Deer and elk.....	92,277	926,926	1,765	20,134			100	800	88,361	883,463	1,585	15,948	156	1,144	360	5,437
All other.....			119,928	809,247		14,840	66,110	48,206	573	8,549	45,864	318,815	7,071	272,373	310	12,206		134,258

TABLE II.—LEATHER STOCKS ON HAND AND IN TRANSIT

GROUP AND STATE.		Number of establishments reporting.	SOLE LEATHER.		Sole offal leather (pounds).	SHOE UPPER LEATHER (EXCEPT PATENT).					
			Backs, bends, and sides (number).	Pounds.		Cattle.					
						Grains (sides).		Splits.			
								Whole side.		Butt split.	
					Number.	Square feet.	Number.	Square feet.	Number.	Square feet.	
1	UNITED STATES.....	3,266	1,194,536	18,390,525	30,119,941	1,941,351	31,503,129	757,086	8,627,956	709,958	4,889,118
2	BOOT AND SHOE MANUFACTURERS.....	762	470,501	8,164,289	8,510,481	1,658,439	26,867,590	449,161	4,349,895	442,490	3,122,078
3	Illinois.....	28	28,971	497,460	325,559	25,907	378,184	11,304	169,830	4,034	24,854
4	Massachusetts.....	284	236,448	4,386,713	4,403,492	809,334	13,706,725	210,877	1,911,529	167,887	1,231,396
5	Missouri.....	20	7,907	153,790	51,323	112,431	1,963,865	20,899	255,152	105,841	632,667
6	New York.....	122	16,308	250,047	579,239	26,663	423,053	43,704	381,453	10,188	71,698
7	Ohio.....	30	41,489	648,872	568,239	166,203	2,306,376	5,026	62,414	22,767	125,043
8	Pennsylvania.....	80	42,849	534,027	442,091	126,019	2,011,599	20,276	306,053	13,236	116,238
9	Wisconsin.....	46	32,541	662,578	344,113	128,679	2,355,243	80,464	633,505	65,947	524,425
10	All other states.....	152	63,988	1,030,802	1,796,425	263,203	3,722,545	56,611	629,959	52,590	395,757
11	CUT STOCK MANUFACTURERS.....	186	357,587	4,770,988	13,589,527	3,887	69,829	8,433	121,009	23,082	193,828
12	Massachusetts.....	138	304,331	3,838,015	10,506,600	218	4,313	7,702	111,862	12,920	71,298
13	New York.....	19	19,212	435,537	666,613	11	132	40	500		
14	Ohio.....	4	33	5,000	302,139	317	4,921	689	8,612		
15	Pennsylvania.....	8	500	4,000	1,013,209					1,000	8,000
16	All other states.....	17	33,461	488,436	1,100,966	3,341	60,463	2	35	9,162	114,530
17	HARNESS AND SADDLERY MANUFACTURERS.....	528	10,253	145,514	644,788	8,743	142,680	21,946	235,576	5,112	45,907
18	Illinois.....	75	239	2,949	10,592	2	23	1,829	47,850	697	8,704
19	Indiana.....	27	125	2,059	2,165	3	45				
20	Kentucky.....	9			2,050			30	375		
21	Missouri.....	41	677	8,801	296,683	40	480	446	17,798	2,688	21,522
22	Ohio.....	25	509	6,891	42,065			280	3,500	813	7,316
23	All other states.....	351	8,703	124,814	291,233	8,698	142,132	19,361	166,053	914	8,365
24	GLOVE MANUFACTURERS.....	206			28,150	150	3,000	180,033	2,140,207	2,812	29,111
25	New York.....	118			11,150			113,149	1,379,685		
26	All other states.....	88			17,000	150	3,000	66,884	760,522	2,812	29,111
27	OTHER LEATHER MANUFACTURERS.....	756	37,238	601,493	1,639,659	23,018	385,323	55,059	1,262,075	33,285	265,566
28	Illinois.....	79	5,406	59,528	16,735	970	16,036	2,421	38,476	1,015	10,362
29	Massachusetts.....	93	2,059	20,993	289,109	3,407	53,380	9,202	115,935		
30	New York.....	198	6,511	108,436	273,966	3,524	61,720	15,790	417,253	22,532	179,176
31	Ohio.....	53	1,169	19,520	140,702			12,059	459,365	325	3,645
32	Pennsylvania.....	68	1,870	32,196	63,475	259	5,968	112	2,350	700	5,800
33	All other states.....	265	20,223	360,820	855,672	14,858	248,219	15,475	228,696	8,713	66,583
34	DEALERS IN LEATHER.....	795	243,004	3,114,069	4,790,654	57,968	1,100,074	31,589	407,723	12,350	90,901
35	Illinois.....	71	11,554	149,650	94,654	2,577	45,110	628	5,151	354	3,428
36	Massachusetts.....	123	54,335	854,938	3,533,082	44,741	887,964	22,953	298,296	8,958	65,931
37	Missouri.....	21	7,914	117,252	129,993	113	1,714	12	157	90	763
38	New York.....	114	42,906	479,965	220,427	3,709	63,239	241	16,198	1,052	5,608
39	Pennsylvania.....	91	42,692	494,454	416,509	639	1,723	612	7,332	617	4,412
40	Wisconsin.....	17	6,977	95,271	21,716	1,448	24,154	768	9,463	551	4,695
41	All other states.....	358	76,626	922,539	374,273	4,741	76,170	6,375	71,076	728	6,064
42	TANNERS ¹	33	75,953	1,594,172	916,682	189,146	2,934,633	10,865	111,471	190,827	1,141,727
43	Massachusetts.....	9				22,332	341,405	3,052	13,000	74,859	508,027
44	Missouri.....	4	71,603	1,529,147	649,294	166,807	2,693,128	462	2,259	115,968	633,700
45	New York.....	6	1,500	10,125	5,000						
46	Pennsylvania.....	3	300	4,500	2,000			2,000	30,000		
47	All other states.....	11	2,550	50,400	260,388	7	100	5,351	66,212		

¹ Includes 344,333 square feet reported as the equivalent of 47,847 colt, ass, and mule skins and 819,614 square feet reported as the equivalent of 108,636 deer and elk skins.

IN THE UNITED STATES, MAY 31, 1918, BY STATES.

SHOE UPPER LEATHER (EXCEPT PATENT)—continued.

Horse.				Calf and kip skins.		Sheep and lamb skins.		Goat and kid skins.		Cabretta skins.		Kangaroo and wallaby skins.		All other skins.		
Fronts.		Butts.														
Number.	Square feet.	Number.	Square feet.	Number.	Square feet.	Number.	Square feet.	Number.	Square feet.	Number.	Square feet.	Number.	Square feet.	Pounds.	Square feet.	
162,391	2,197,146	219,142	2,330,342	2,120,804	21,197,125	2,881,481	27,018,254	7,992,088	36,360,684	1,291,366	7,797,740	249,373	1,296,320	650,037	14,909,308	1
113,759	1,626,076	142,726	1,647,120	1,988,778	19,897,255	2,087,191	20,965,734	6,928,664	32,138,090	1,063,768	6,607,219	226,810	1,174,505	173,944	4,227,921	2
3,474	41,922	10,078	109,762	126,363	1,250,901	73,053	5,758,727	180,139	785,329	30,447	147,195	10,335	49,723	94,342	257,406	3
45,231	720,400	65,092	801,575	999,415	9,617,461	913,139	7,057,588	2,800,187	12,488,756	375,124	2,687,798	136,707	739,468	94,342	1,205,972	4
12,450	162,724	9,464	97,510	51,814	704,965	131,968	1,033,338	526,305	2,543,768	56,138	332,164	18,411	86,305	4,467	175,626	5
4,936	20,564	9,703	124,706	298,780	2,675,898	355,849	2,617,920	1,154,382	5,247,313	122,822	648,276	12,345	61,662	30,881	740,618	6
13,835	174,792	2,015	15,425	91,420	966,767	190,799	1,365,380	745,497	3,859,245	89,703	562,132	1,576	7,368	273,227	7	
4,223	62,584	10,453	95,721	127,132	1,397,110	96,979	747,000	456,188	2,258,514	187,196	1,086,963	12,867	50,212	8,541	304,267	8
6,407	99,071	10,070	94,257	25,880	263,098	31,466	211,187	128,263	662,656	14,314	71,499	3,862	24,153	2,286	93,713	9
23,203	344,019	25,851	308,164	267,974	3,021,055	293,938	2,144,596	937,703	4,292,509	188,024	1,071,192	30,707	155,614	33,447	1,177,092	10
3	48	28	353	4,441	45,749	76,217	803,504	8,923	45,792	4,220	21,576	877	2,107	169,113	48,216	11
		24	312	1,736	17,716	33,458	467,312	1,874	10,125					169,113	25,149	12
				708	6,433	306	1,680	1,404	8,990	408	2,650	26	158		400	13
				196	2,549	18,249	145,992	1,875	9,376							14
				18	160	324	2,150	650	3,250	74	400				21,442	15
3	48	4	41	1,783	18,891	23,880	186,370	3,120	14,051	3,738	18,526	851	1,949		1,225	16
3,559	58,681	260	3,141	2,264	23,890	12,985	114,521	3,176	22,982	6,324	48,268	535	3,357	4,733	10,521	17
1	15			11	82	11	93					15	81	634	117	18
				2	18	3	25	1	5			108	950			19
				12	470									3,556		20
		12	21	145	1,404	38	379	30	240			10	80	4	957	21
56	896			447	5,815	279	2,232	4	20			12	75			22
3,502	57,770	257	3,120	1,647	16,101	12,654	111,792	3,141	22,717	6,324	48,268	396	2,171	539	9,447	23
4	55	2,718	37,567	2,124	12,410	8,807	44,275	405	2,832	126	1,260			900	182,270	24
4	55			564	4,410	8,507	42,725	405	2,832	126	1,260			800	30,144	25
		2,718	37,567	1,560	8,000	300	1,550							100	152,126	26
2,734	42,180	1,790	19,877	12,934	158,703	276,952	2,089,055	37,141	204,153	17,743	83,056	1,804	14,686	65,893	202,642	27
29	770	418	6,425	964	12,218	10,761	92,044	1,375	5,694	22	94	35	117		3,924	28
176	2,961	72	1,681	1,106	10,022	105,709	707,552	6,272	33,072	6,235	23,537	139	836	50,043	56,181	29
10	110			2,535	24,341	111,266	892,280	9,863	64,401	8,421	42,114	110	2,500	15,500	5,080	30
				2,876	47,054	7,034	56,308	152	760						9,199	31
313	5,000			3	27	6,901	64,246	582	2,915					150	21,189	32
2,206	33,339	1,300	11,771	5,450	65,041	35,281	276,645	18,897	97,311	3,065	17,311	1,520	11,233	200	107,069	33
14,575	148,955	19,439	230,748	64,607	562,594	348,641	2,452,113	649,747	2,257,955	130,389	605,798	5,247	25,290	233,454	229,768	34
611	7,162	1,986	18,412	357	2,630	252	1,888	1,027	5,420	273	1,407	418	1,359	2,950	42,091	35
12,742	130,392	10,562	124,277	51,497	420,680	225,242	1,573,887	493,471	1,557,492	104,818	478,620	1,733	10,404	73,222	55,031	36
3	52	156	1,811	777	7,563	1,252	10,905	771	4,192	15	81	604	3,083	21	2,139	37
119	1,862	105	1,380	2,042	18,652	49,993	378,770	82,488	294,705	8,700	43,140	248	1,656	128,803	71,697	38
20	105	2,209	28,970	1,339	13,418	27,955	194,624	53,231	310,172	7,128	35,353	439	1,342	20,349	4,204	39
300	4,936			1,607	15,031	1,516	12,139	1,813	6,606			206	779	483	21,392	40
780	4,446	4,421	55,898	6,988	84,620	42,431	279,900	17,446	79,368	9,455	47,197	1,599	6,662	7,626	33,214	41
27,757	321,151	52,172	391,536	45,656	496,524	70,688	549,052	364,032	1,688,880	68,796	430,563	14,100	76,375	2,000	7,970	42
15,613	148,361	25,833	232,431	17,352	210,832	16,224	99,840	480	2,500					2,000		43
12,084	171,190	18,180	53,025	28,254	255,192	40,700	339,100	341,448	1,566,050	68,496	428,463	14,100	76,375		7,970	44
						13,740	109,920									45
								480	3,200	300	2,100					46
60	1,600	8,159	106,080	50	500	24	192	21,624	117,130							47

* Exclusive of those reporting to the Tanners' Council.

TABLE II.—LEATHER STOCKS ON HAND AND IN TRANSIT

GROUP AND STATE.	PATENT LEATHER (EXCEPT UPHOLSTERY).											
	Cattle.				Horse.				Goat and kid skins.		All other.	
	Grains.		Splits.		Frents.		Butts.		Number	Square feet.	Pounds.	Square feet.
	Sides.	Square feet.	Sides.	Square feet.	Whole fronts.	Square feet.	Whole butts.	Square feet.				
1 UNITED STATES.....	407, 447	4, 560, 341	56, 221	899, 536	11, 761	150, 876	28, 655	187, 634	124, 133	501, 629	29, 035	1 508, 479
2 BOOT AND SHOE MANUFACTURERS.....	263, 939	2, 141, 221	32, 421	518, 736	6, 389	93, 736	26, 580	154, 796	108, 682	425, 885	12, 584	451, 240
3 Illinois.....	3, 747	36, 263							347	1, 388		920
4 Massachusetts.....	34, 778	604, 011	17, 693	283, 088	1, 883	23, 627	699	11, 295	30, 300	123, 930	7, 707	216, 415
5 Missouri.....	14, 613	246, 471	154	2, 464	1, 200	21, 473			2, 170	9, 662		7, 815
6 New York.....	148, 027	243, 560	2, 766	44, 256	324	5, 504	20	260	56, 258	208, 113	46	133, 680
7 Ohio.....	13, 454	254, 670	4, 995	79, 920	1, 408	20, 524			5, 029	21, 223		12, 258
8 Pennsylvania.....	13, 322	237, 933	2, 736	43, 776	55	708			6, 675	24, 295	1, 039	3, 649
9 Wisconsin.....	5, 705	102, 180	606	9, 696	143	1, 798			435	3, 769		10, 281
10 All other states.....	30, 293	416, 133	3, 471	55, 536	1, 316	20, 102	25, 861	143, 241	7, 468	27, 505	3, 792	66, 222
11 CUT STOCK MANUFACTURERS.....	231	3, 560	3, 124	49, 984	2	20			1, 301	4, 081	1, 250	27, 172
12 Massachusetts.....	101	1, 467	2, 920	46, 720					677	2, 821		27, 172
13 New York.....	86	1, 293	70	1, 120					624	1, 260	1, 250	
14 Ohio.....												
15 Pennsylvania.....	44	800	134	2, 144								
16 All other states.....					2	20						
17 HARNESS AND SADDLERY MANUFACTURERS.....	2, 558	5, 609	311	4, 976	1	12			21	147	1, 015	183
18 Illinois.....	2, 403	2, 165									5	48
19 Indiana.....			110	1, 760								
20 Kentucky.....												
21 Missouri.....			20	320								
22 Ohio.....	50	900										
23 All other states.....	105	2, 544	181	2, 896	1	12			21	147	1, 010	183
24 GLOVE MANUFACTURERS.....			4, 166	66, 656	1, 178	18, 369	1, 848	28, 295	360	1, 691	10	11, 079
25 New York.....												
26 All other states.....			4, 166	66, 656	1, 178	18, 369	1, 848	28, 295	360	1, 691	10	11, 079
27 OTHER LEATHER MANUFACTURERS.....	2, 150	40, 801	7, 474	119, 684	36	460	141	4, 020	2, 940	13, 394	4, 059	5, 285
28 Illinois.....	185	3, 390	62	992					366	1, 672		
29 Massachusetts.....	23	1, 134	5, 457	87, 312					70	350	107	368
30 New York.....	1, 216	21, 950	16	256					1, 064	4, 568		18
31 Ohio.....	270	5, 133	1, 298	20, 768					1, 430	6, 744		
32 Pennsylvania.....	70	1, 249	406	6, 496								300
33 All other states.....	386	7, 945	235	3, 760	36	460	141	4, 020	10	60	3, 952	4, 599
34 DEALERS IN LEATHER.....	25, 110	350, 241	6, 261	100, 176	4, 155	38, 279	86	523	7, 275	41, 046	10, 117	13, 520
35 Illinois.....	1	35							5	25	75	
36 Massachusetts.....	22, 078	295, 520	5, 100	81, 600	3, 879	34, 914	11	297	5, 638	33, 715	7, 772	2, 332
37 Missouri.....												
38 New York.....	341	13, 748	308	4, 928	258	3, 160			524	2, 054	500	3, 708
39 Pennsylvania.....	247	4, 276	75	1, 200	16	180	72	115	551	2, 632	1, 000	117
40 Wisconsin.....	16	306	10	160								
41 All other states.....	1, 927	36, 356	768	12, 288	2	25	3	111	557	2, 620	770	7, 363
42 TANNERS ¹	113, 459	2, 018, 909	2, 464	39, 424					3, 554	15, 385		
43 Massachusetts.....	9, 499	147, 746	2, 444	39, 104					596	3, 176		
44 Missouri.....	103, 960	1, 871, 163							2, 958	12, 209		
45 New York.....												
46 Pennsylvania.....												
47 All other states.....			20	320								

¹ Includes 220,039 square feet reported as the equivalent of 18,815 colt, ass, and mule skins.

IN THE UNITED STATES, MAY 31, 1918, BY STATES—Continued.

GLOVE LEATHER.																		
Cattle.				Horse.				Colt, ass, mule, deer, and elk skins.		Calf and kip skins.		Sheep and lamb skins.		Goat and kid skins.		All other.		
Grains.		Splits.		Fronts.		Butts.		Num- ber.	Square feet.	Num- ber.	Square feet.	Num- ber.	Square feet.	Num- ber.	Square feet.	Pounds.	Square feet.	
Sides.	Square feet.	Sides.	Square feet.	Whole fronts.	Square feet.	Whole butts.	Square feet.											
27,185	443,381	349,370	4,891,180	225,711	3,189,438	30,118	422,862	108,153	1,139,889	26,817	319,760	1,832,499	11,923,107	316,129	1,589,038	119,928	809,247	1
12,010	199,169	6,427	89,978	2,632	20,004	1,984	26,691	9,897	171,926	5,002	87,630	26,512	208,977	58,291	221,294	.....	14,840	2
72	1,200	60	840	.....	.....	.....	.....	184	1,356	704	8,148	2,972	13,820	1,134	4,732	.....	.....	3
312	5,048	.....	.....	.....	.....	.....	.....	7,831	148,789	3,000	63,060	3,325	25,973	20,192	38,885	.....	8,543	4
7,874	123,685	36	504	2,572	14,360	89	1,341	.....	.....	968	11,847	462	3,392	30,316	151,030	.....	3,662	5
.....	.....	.....	.....	.....	.....	50	1,246	.....	.....	.....	.....	12,800	113,386	264	1,077	.....	.....	6
2,416	43,492	6,331	88,634	.....	.....	15	193	.....	.....	318	4,450	3,274	23,855	5,363	21,453	.....	.....	7
1,336	25,744	.....	.....	60	1,134	10	100	1,006	10,050	12	125	216	1,800	.....	.....	.....	.....	8
.....	.....	.....	.....	.....	4,510	1,820	23,811	876	11,731	.....	.....	3,463	26,751	992	4,117	.....	2,635	9
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10
144	1,912	111	1,554	180	2,672	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	66,110	48,206	11
.....	.....	83	1,162	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	59,802	.....	12
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	13
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	14
144	1,912	28	392	180	2,672	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6,308	48,206	15
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	16
312	6,052	12,165	170,310	.....	.....	.....	.....	103	820	90	962	597	4,965	84	404	573	8,549	17
.....	.....	.....	.....	.....	.....	.....	.....	7	48	6	55	9	68	15	75	67	.....	18
.....	.....	240	3,360	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	19
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	20
.....	.....	44	616	.....	.....	.....	.....	.....	.....	50	600	.....	.....	.....	.....	.....	30	21
312	6,052	11,881	166,334	.....	.....	.....	.....	96	772	34	307	570	4,730	69	329	506	8,519	22
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	23
9,177	116,393	298,348	4,176,872	221,323	3,144,864	26,130	369,089	95,498	939,174	10,456	127,497	1,492,305	9,463,417	145,568	624,793	45,864	318,815	24
3,401	29,786	45,966	643,524	115,664	1,716,820	5,456	69,097	24,823	329,978	469	5,932	1,341,916	8,364,993	120,172	452,181	2,392	158,835	25
5,776	86,607	252,382	3,533,348	105,659	1,428,044	20,674	299,992	70,675	609,196	9,987	121,565	150,389	1,098,424	25,396	172,612	43,472	159,980	26
2,001	63,187	13,952	195,328	1,169	15,160	176	2,816	2,139	21,388	7,656	71,548	155,313	1,185,360	86,661	606,739	7,071	272,373	27
483	8,792	1,235	17,290	823	10,285	.....	.....	604	5,440	811	8,595	6,131	50,237	12,965	56,858	5,500	2,937	28
24	480	1,206	16,884	162	2,505	.....	.....	13	70	1,314	12,199	21,530	161,389	11,249	53,700	150	4,863	29
650	11,843	175	2,450	.....	.....	51	816	691	1,583	2,351	22,272	64,344	477,397	37,820	177,820	.....	14,185	30
.....	.....	.....	.....	.....	.....	.....	.....	282	5,208	28	500	150	1,350	83	511	.....	.....	31
844	42,072	11,308	158,312	160	2,000	125	2,000	.....	.....	350	3,464	22,142	159,576	2,461	12,288	.....	4,335	32
.....	.....	.....	.....	24	370	.....	.....	549	9,087	2,832	24,518	41,016	335,411	22,083	305,562	1,421	246,053	33
2,545	42,664	7,160	100,240	255	4,299	105	1,866	156	1,144	1,621	14,935	54,718	386,720	3,795	18,148	310	12,206	34
1,063	19,139	72	1,008	112	1,800	1	12	.....	.....	.....	.....	10	75	.....	.....	9	201	35
.....	.....	944	13,216	.....	.....	80	1,600	.....	.....	36	468	4,135	32,935	168	840	.....	2,944	36
1,389	21,725	234	3,276	.....	.....	.....	.....	40	218	180	1,620	36,861	241,517	2,511	11,429	50	200	37
.....	.....	37	518	.....	.....	.....	.....	.....	.....	11	186	614	4,920	42	148	.....	112	38
93	1,800	5,000	70,000	.....	.....	.....	.....	1,111	10,000	.....	.....	600	5,000	.....	.....	.....	.....	39
.....	.....	873	12,222	143	2,499	24	254	116	926	283	2,661	12,498	102,273	1,074	5,731	251	8,749	40
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	41
996	14,004	11,207	156,898	152	2,439	1,723	22,400	360	5,437	1,962	17,188	103,054	673,668	21,730	117,660	.....	134,258	42
.....	.....	10,000	140,000	.....	.....	1,723	22,400	360	5,437	1,962	17,188	1,152	8,449	.....	.....	.....	112,000	43
426	5,114	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	101,547	662,376	.....	.....	.....	.....	44
480	7,440	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	45
90	1,450	1,207	16,898	152	2,439	.....	.....	.....	.....	.....	.....	355	2,843	21,730	117,660	.....	22,258	46
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	47

* Exclusive of those reporting to the Tanners' Council.

TABLE II.—LEATHER STOCKS ON HAND AND IN TRANSIT

GROUP AND STATE.		FANCY LEATHER.											
		Bookbinder's buffings.		Skivers (finished).		Fleshers (finished).		Seal skins.		Pig skins.		All other skins.	
		Pieces.	Pounds.	Pieces.	Pounds.	Pieces.	Pounds.	Number.	Pounds.	Number.	Pounds.	Number.	Pounds.
1	UNITED STATES.....	258,127	308,326	414,897	1,057,575	66,834	177,792	44,819	178,681	38,816	160,479	65,148	256,287
2	BOOT AND SHOE MANUFACTURERS.....	1,705	2,557	20,726	91,167	2,954	11,592	911	3,644	3,366	14,070	20	135
3	Illinois.....	247	370	81	202								
4	Massachusetts.....	58	87	886	9,532	200	576	858	3,432	614	2,848		
5	Missouri.....			3,783	26,348					1,435	5,740		
6	New York.....	1,400	2,100	7,865	17,802	2,754	11,016						
7	Ohio.....			2,437	7,072					500	2,000		
8	Pennsylvania.....			438	1,877			40	160	56	224		
9	Wisconsin.....			898	3,202					573	2,506	10	95
10	All other states.....			4,338	25,132			13	52	188	752	10	40
11	CUT STOCK MANUFACTURERS.....	15	22	9,787	10,758	405	1,215	1,541	6,163	6,162	25,150		
12	Massachusetts.....									5,750	23,500		
13	New York.....									262	1,050		
14	Ohio.....	15	22	6,524	2,600			1,541	6,163	100	400		
15	Pennsylvania.....									50	200		
16	All other states.....			3,263	8,158	405	1,215						
17	HARNESS AND SADDLERY MANUFACTURERS.....	324	518	797	1,989	173	518	730	2,862	432	2,051	552	6,374
18	Illinois.....									24	94		
19	Indiana.....												
20	Kentucky.....												
21	Missouri.....			120	360			9	36	10	115	15	100
22	Ohio.....			48	144								
23	All other states.....	324	518	629	1,485	173	518	721	2,826	398	1,842	537	6,274
24	GLOVE MANUFACTURERS.....	19,100	28,650	245	688	10,744	30,412	3,488	17,432	5,194	24,298	10,444	41,208
25	New York.....	19,100	28,650	209	598	10,024	28,252	488	2,432	687	2,622	10,444	41,208
26	All other states.....			36	96	720	2,160	3,000	15,000	4,607	21,676		
27	OTHER LEATHER MANUFACTURERS.....	224,882	260,572	340,307	860,324	39,193	96,591	36,869	144,107	19,345	77,776	50,897	157,088
28	Illinois.....	10,218	15,263	31,437	75,554	10	30	3,297	13,198	2,813	11,290	4,679	9,128
29	Massachusetts.....	15,565	18,953	29,863	60,492	5,653	16,127	2,029	6,791	7,714	30,834	21,663	64,039
30	New York.....	98,437	75,068	110,498	306,257	20,647	42,044	21,398	83,125	4,478	18,085	7,721	29,579
31	Ohio.....	10,023	14,968	11,706	13,466	23	42	252	1,008	152	740	3,391	4,984
32	Pennsylvania.....	14,599	22,272	81,445	216,566	1,425	3,950	2,257	9,048	302	1,226	2,339	8,826
33	All other states.....	76,040	114,048	75,358	187,989	11,435	34,398	7,636	30,937	3,886	15,601	11,104	40,532
34	DEALERS IN LEATHER.....	12,037	15,911	43,035	92,649	13,365	37,464	1,280	4,473	4,317	17,134	3,235	51,482
35	Illinois.....	47	67	755	288					286	1,152		
36	Massachusetts.....	1,277	1,756	9,054	9,645	137	68	2	18	300	600	196	138
37	Missouri.....	193	290	28	70	24	72	6	20			125	625
38	New York.....	2,483	3,035	16,088	38,470	874	2,622	838	2,710	1,014	4,353	1,156	4,839
39	Pennsylvania.....	2,988	4,482	11,005	28,434	9,479	28,437	50	100	1,067	4,425	1,572	45,210
40	Wisconsin.....	877	1,566	696	1,740	480	1,440	240	960	12	50		
41	All other states.....	4,172	4,715	5,409	14,002	2,371	4,825	145	665	1,638	6,554	186	670
42	TANNERS ¹	64	96										
43	Massachusetts.....												
44	Missouri.....												
45	New York.....												
46	Pennsylvania.....												
47	All other states.....	64	96										

¹ Exclusive of those reporting to the Tanners' Council.

SHEARLINGS (TANNED SKINS).		CHAMOIS SKINS.		Textile leather (pounds).	HARNESS LEATHER.				SKIRTING AND COLLAR LEATHER.		BAG AND STRAP LEATHER.		UPHOLSTERY LEATHER.		BELTING LEATHER.		
Num- ber.	Pounds.	Num- ber.	Lbs.		Black backs and sides.		Russet backs and sides.		Sides.	Pounds.	Backs and sides.	Pounds.	Grains (whole sides).	Splits (whole sides).	Butts.	Pounds.	
					Number.	Pounds.	Num- ber.	Pounds.									
28,918	129,153	28,328	5,153	254,498	378,815	6,071,932	40,636	573,490	110,813	1,627,859	82,202	1,393,856	95,191	99,677	120,502	2,327,301	
2,184	9,704	215	39	15,595	173	3,419	260	4,130	261	4,179	7,408	112,076	30	248	156	2,281	2
65 247	260 988			1,528									41		134	2,020	3
240	2,000	50 20	9 4	7,801 6,166	1	15	233	3,495	154	2,310	275 485 3,948	4,350 7,275 59,495	105 102		21	236	4 5 6
60 1,572	240 6,216	145	26	100	3 169	30 3,374	18 9	450 185	17 90	425 1,444					1	25	7 8 9
93	372				255	5,242			3,608	45,583	1,585	27,965		1,895	16,680	339,848	10
									1,901	28,515				1,704	16,430	334,598	11
					20 235	520 4,722			1,707	17,068					250	5,250	12 13 14
93	372										1,585	27,965		191			15 16
4,561	29,690	4,859	864		319,858	4,854,738	35,661	479,960	92,542	1,335,938	17,042	356,265	441	3,268	8	183	17
		284	50		6,556 7,640 792	111,672 143,636 17,401	1,620 11	33,625 245	4,180 1,168 5,046	82,687 17,415 60,574	92 1,082 102	1,815 21,651 1,530		3 250 40	3 20	63	18 19 20
1,104 1,359 9	9,622 10,349 35	14 971 562	3 120 105		87,660 11,734	1,594,904 225,783	1,137 18,232	14,607 182,558	26,376 9,179	316,868 137,840	3,578 1,700	51,838 1,700		1,050 34	1 20	21	21 22
2,089	9,684	3,028	586		205,476	2,761,342	14,661	248,925	46,593	720,554	12,108	277,731	356	1,891	4	100	23
9,983	48,599	4,846	853	9,245			1	14			263	3,945	490	2,898			24
108 9,875	432 48,167	1,140 3,706	204 649	9,245			1	14			250 13	3,750 195	90 400	2,898			25 26
1,665	5,854	3,930	673	202,803	8,512	177,472	1,067	23,008	5,862	104,056	43,408	733,427	89,945	79,200	99,789	1,902,427	27
941 24 590 80 30	3,765 168 1,475 316 126	33 129 1,601 117 316 1,734	7 17 291 27 60 271	371 14,119 33,996 7,548 3,750 143,019	1,307 699 787 971 286 4,462	27,551 25,808 15,097 18,389 5,377 85,250	73 102 335 108 23 426	1,733 4,021 6,503 2,254 388 8,109	58 1,000 241 253 9 4,303	549 26,000 3,789 3,779 212 69,727	9,347 7,755 10,308 1,574 3,275 11,149	140,420 158,740 217,374 17,804 54,085 145,004	3,886 713 6,205 7,155 1,350 70,636	5,076 1,337 22,178 14,303 632 35,674	3,909 3,618 22,254 3,957 8,849 57,292	177,330 73,931 385,194 85,486 187,569 992,917	28 29 30 31 32 33
10,332	34,734	14,478	2,724	1,855	49,597	1,024,261	3,422	62,528	8,265	134,103	12,446	159,928	2,285	4,165	2,502	55,441	34
7,000 5 43 24 2,400 560	21,000 40	838 9	138 1	725	5,866 923	114,705 19,110	897 2	17,493 44	1,324 60	25,570 600	1,438 37	25,844 738		3,609 5	24 280	640 9,697	35 36 37
		10,329 50	2,074 9		5,975 345	119,615 7,082	891 68	15,156 1,117	801 86	19,402 2,015	3,978 114	59,674 2,210			6 43	125 850	38 39
		2,942 10	2 2		2,942 1,028	58,665 20,669	35 5	954 117	76 214	1,250 3,210	215 319	3,133 6,475		19 200	60		40
		3,242	500	1,130	32,518	684,415	1,524	27,647	5,704	82,056	6,345	61,854	2,018	430	2,149	44,229	41
100	200			25,000		6,800	225	3,850	275	4,000		250	2,000	8,003	1,367	27,121	42
																	43
				25,000	20	400							44	1,105	750	15,000	44
100	200				400	6,400	225	3,850	275	4,000	50	250	1,956	6,898	542	10,621	45 46 47

TABLE II.—LEATHER STOCKS ON HAND AND IN TRANSIT IN THE UNITED STATES, MAY 31, 1918, BY STATES—Continued

GROUP AND STATE.	HORSE BUTTS (NOT ELSEWHERE SPECIFIED).		PIG AND HOG LEATHER (NOT ELSEWHERE SPECIFIED).			SIDE LEATHER (NOT ELSEWHERE SPECIFIED).		ROUGH LEATHER.						OTHER LEATHER.
			Skins.		Strips (pounds).			Butts.		Sides, backs, and bends.		Skins.		
	Pieces.	Pounds.	Num- ber.	Pounds.		Sides.	Pounds.	Num- ber.	Pounds.	Num- ber.	Pounds.	Num- ber.	Pounds.	Pounds.
1 UNITED STATES.....	5,306	44,852	30,268	123,024	748,129	56,908	863,985	41,659	981,126	32,596	415,729	3,735	15,315	7,829,040
2 BOOT AND SHOE MANUFACTURERS....	2,000	18,000	24,680	98,748	255,554	7,889	137,965	143	3,838	400	6,172			265,522
3 Illinois.....					4,500									3,175
4 Massachusetts.....			56	225	70,799	4,705	83,492	48	1,295	150	1,200			217,992
5 Missouri.....					3,462		200							
6 New York.....			7,608	30,433	5,420		72	6	150					3,449
7 Ohio.....					68,629		910							
8 Pennsylvania.....					8,359		47	89	2,393	142	3,241			6,984
9 Wisconsin.....			11,130	44,552	8,838		396			108	1,731			188
10 All other states.....	2,000	18,000	5,886	23,538	85,547	1,559	27,523							33,734
11 CUT STOCK MANUFACTURERS.....			75	300	167,025	5	100	7,785	222,683	2,515	26,931			1,643,168
12 Massachusetts.....					162,963			7,785	222,683	2,515	26,931			455,658
13 New York.....			75	300	100									43,813
14 Ohio.....														
15 Pennsylvania.....					3,962	5	100							30,455
16 All other states.....														1,113,242
17 HARNESS AND SADDLERY MANUFACTURERS.	217	5,616	1,283	5,197	10,150	1,934	31,077	1,122	29,854	271	3,618	65	1,497	206,265
18 Illinois.....			271	1,085	65	140	2,727	3	81	13	242	14	144	3,602
19 Indiana.....					3,625		4	11	300					43,765
20 Kentucky.....	2	26			135		12	59	1,615					8
21 Missouri.....			380	1,520			22	959	25,878	6	100			103,617
22 Ohio.....			40	200			19	13	285	69	1,128			2,262
23 All other states.....	215	5,590	592	2,392	6,325	1,737	27,335	77	1,695	183	2,148	51	1,353	53,011
24 GLOVE MANUFACTURERS.....	2,016	7,224	114	1,672		250	6,250							
25 New York.....	2,016	7,224	96	1,500		250	6,250							
26 All other states.....			18	172										
27 OTHER LEATHER MANUFACTURERS....	672	8,589	1,891	8,018	196,928	19,927	274,826	29,366	662,915	26,168	350,138	668	4,806	1,049,812
28 Illinois.....	140	1,685			7,415	4,500	89,675	3,863	69,233	50	1,000	126	(1)	264,954
29 Massachusetts.....	68	1,250	24	120	6,210	403	1,475	1,500	35,000	42	760	35		418,560
30 New York.....	145	1,450	1,429	6,377	950	1,922	21,624	3,262	65,435	1,569	19,135	94	485	97,432
31 Ohio.....					300	7,200	108,000	2,056	53,458	5,500	110,000	203	497	45,177
32 Pennsylvania.....			13	49	40	316	6,207	500	8,000	1,605	17,231	20	400	32,374
33 All other states.....	319	4,204	425	1,472	182,013	5,586	47,845	18,185	431,789	17,402	202,012	190	3,424	191,315
34 DEALERS IN LEATHER.....	391	5,173	2,075	8,489	113,376	26,072	411,694	2,874	53,375	3,100	26,744	2	12	4,664,273
35 Illinois.....			38	172	20,910	4	50	999	17,320	554	5,711			10,527
36 Massachusetts.....			29	115	9,623	25,003	400,029	24	651					4,470,645
37 Missouri.....					5,775		13		100					12,302
38 New York.....	367	4,536	422	1,688	9,148		106	11	300					6,208
39 Pennsylvania.....	19	500	313	1,250	21,139	15	300	393	8,987					15,163
40 Wisconsin.....					1,714					2	19			220
41 All other states.....	5	137	1,273	5,264	45,067	931	9,432	1,440	26,017	2,544	21,014	2	12	149,208
42 TANNERS ²	10	250	150	600	5,096	831	2,073	369	8,461	142	2,126	3,000	9,000	
43 Massachusetts.....														
44 Missouri.....												3,000	9,000	
45 New York.....														
46 Pennsylvania.....														
47 All other states.....	10	250	150	600	5,096	831	2,073	369	8,461	142	2,126			

¹ Equivalent in pounds not reported.² Exclusive of those reporting to the Tanners' Council.

TABLE III.—BOOT AND SHOE CUT STOCK AND FINDINGS ON HAND AND IN TRANSIT, MAY 31, 1918.

KIND.	Aggregate	Total men's, boys', and youths'.	Total women's, misses', and children's.	REPORTED BY—							
				Boot and shoe manufacturers.		Cut stock manufacturers.		Other leather goods manufacturers. ¹		Dealers in leather and tanners.	
				Men's, boys', and youths'.	Women's, misses', and children's.	Men's, boys', and youths'.	Women's, misses', and children's.	Men's, boys', and youths'.	Women's, misses', and children's.	Men's, boys', and youths'.	Women's, misses', and children's.
Leather:											
Outer soles—	<i>Pairs.</i>	<i>Pairs.</i>	<i>Pairs.</i>	<i>Pairs.</i>	<i>Pairs.</i>	<i>Pairs.</i>	<i>Pairs.</i>	<i>Pairs.</i>	<i>Pairs.</i>	<i>Pairs.</i>	<i>Pairs.</i>
9-iron and up.....	13,586,864	8,055,755	5,531,109	4,720,173	3,571,832	1,675,859	1,663,844	120,327	32,818	1,539,396	262,615
Under 9-iron.....	53,385,666	19,826,435	33,559,231	11,556,417	15,069,230	7,360,589	16,660,521	218,274	405,406	691,155	1,424,074
Half soles.....	15,827,129	9,472,241	6,364,888	2,173,662	3,882,326	5,802,570	2,063,961	259,287	62,858	1,236,722	355,743
Middle soles.....	7,619,865	4,851,996	2,767,869	1,605,034	883,965	2,390,876	1,764,360	45,678	6,141	810,408	113,403
Inner soles—											
Goodyear.....	7,950,958	3,691,345	4,259,613	1,847,123	2,933,173	1,615,778	1,063,758	42,142	200,170	186,302	62,512
Gem.....	11,164,531	5,427,977	5,736,554	4,135,337	2,518,955	916,220	2,707,143	42,877	378,060	333,543	132,396
McKay.....	17,492,682	5,005,798	12,486,884	1,613,720	5,542,628	3,230,289	4,773,066	27,899	1,124,308	133,890	1,046,882
Counters.....	39,253,387	16,629,510	22,623,877	6,713,219	12,200,519	8,818,237	8,288,009	212,596	131,730	885,458	1,003,619
Heels.....	15,425,269	6,845,241	8,580,028	5,151,141	6,874,257	551,513	970,193	322,724	115,762	819,863	619,816
Top pieces.....	31,693,918	14,861,178	16,832,740	7,463,143	12,309,423	4,146,411	3,386,720	891,942	402,601	2,359,682	733,996
Box toes.....	8,552,731	5,229,842	3,322,889	2,682,713	2,495,779	2,389,384	801,037	3,620		154,125	26,073
Rubber:											
Full soles.....	738,959	423,197	315,782	236,235	245,440	8,148	360	109,452	61,488	69,362	8,494
Half soles.....	306,962	215,924	91,008	7,162	7,596	1,442	133	40,811	12,262	166,509	71,017
Heels.....	11,420,526	7,412,580	4,007,946	1,104,490	1,136,267	117,479	153,646	764,928	539,573	5,425,683	2,178,460
Fiber:											
Soles.....	1,392,293	981,142	411,151	745,578	331,541	3,176	200	24,531	1,544	207,857	77,866
Counters.....	24,962,859	11,182,308	13,780,551	8,907,629	11,508,576	1,598,444	1,234,041	165,027		511,208	1,037,934
Other leather-substitute soles.....	673,967	543,508	130,459	30,768	129,920	501,600	50	2,918	128	8,222	361
Leather heel lifts.....	<i>Pounds.</i>	<i>Pounds.</i>	<i>Pounds.</i>	<i>Pounds.</i>	<i>Pounds.</i>	<i>Pounds.</i>	<i>Pounds.</i>	<i>Pounds.</i>	<i>Pounds.</i>	<i>Pounds.</i>	<i>Pounds.</i>
Leather tongues and stays.....	6,159,828	3,050,008	3,109,820	767,462	920,681	1,391,902	1,783,153	188,912	105,025	701,732	300,961
Leather tongues and stays.....	394,960			280,948		21,146		273,652		239,214	
All other cut stock.....	4,036,465	2,597,638	1,438,827	396,544	600,150	747,055	538,128	133,579	14,206	1,320,460	286,343
Welting.....	<i>Yards.</i>	<i>Yards.</i>	<i>Yards.</i>	<i>Yards.</i>	<i>Yards.</i>	<i>Yards.</i>	<i>Yards.</i>	<i>Yards.</i>	<i>Yards.</i>	<i>Yards.</i>	<i>Yards.</i>
Cotton lining.....	19,698,209			214,952,429		21,394,001		21,780,423		21,571,356	
Cloth and fabric for uppers.....	16,436,363			210,870,331		59,946		22,810,571		22,695,515	
	5,367,033			24,244,599		2,525		2,862,675		257,234	

¹ Includes manufacturers of gloves and of harness and saddlery.² Total for class; no segregation.

STATEMENT OF FINISHED LEATHER ON HAND AND IN TRANSIT, MAY 31, 1918, AS REPORTED TO THE TANNERS, COUNCIL AND TO THE BUREAU OF THE CENSUS.

KIND OF LEATHER.	Total (number).	Reported to Tanners' Council.	Reported to Census Bureau.	KIND OF LEATHER.	Total (number).	Reported to Tanners' Council.	Reported to Census Bureau.
Goat and kid, skins.....	17,997,153	9,564,803	8,432,350	Upholstery:			
Cabretta, skins.....	2,921,562	1,630,196	1,291,366	Grains, whole hides.....	149,519	54,328	95,191
Kangaroo and wallaby, skins.....	508,087	258,714	249,373	Splits, whole hides.....	165,152	65,475	99,677
Calf and kip, skins.....	5,196,901	3,049,280	2,147,621	Harness, bag and strap, sides and backs..	828,693	327,040	501,653
Deer and elk, skins.....	408,866	207,953	200,913	Skirting and collar, sides.....	176,683	65,870	110,813
Colt, ass, and mule, skins.....	98,263	15,725	82,538	Glove, cattle, sides.....	32,567	5,382	27,185
Horse fronts.....	650,154	250,291	399,863	Chamois, skins.....	28,748	420	28,328
Horse butts.....	459,676	176,455	283,221	Seal, skins.....	52,717	7,898	44,819
Sheep and lamb, skins.....	9,496,976	4,782,996	4,713,980	Pig and hog, skins.....	90,813	21,729	69,084
Shearlings, skins.....	83,384	54,466	28,918	Sole leather, backs, bends, and sides.....	5,580,360	4,303,228	1,277,132
Skivers and fleshers, skins.....	945,171	463,440	481,731	Belting butts.....	435,216	273,055	162,161
Side upper.....	5,367,302	2,961,596	2,405,706	Offal, pounds.....	71,650,428	41,530,487	30,119,941
Splits.....	7,033,713	3,217,299	1,816,414				

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DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS
SAM. L. ROGERS, DIRECTOR



CENSUS OF WAR COMMODITIES

LEATHER STATISTICS

LEATHER STOCKS, BOOTS AND SHOES, AND OTHER MANUFACTURES OF LEATHER

Prepared under the supervision of EUGENE F. HARTLEY, Chief Statistician for Manufactures

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UNITED STATES GOVERNMENT
DEPARTMENT OF COMMERCE
BUREAU OF COMMERCE

STATISTICS OF WAR COMMODITIES

WEATHER STATISTICS

FOR THE YEAR 1918
AND THE MONTHS OF JANUARY
AND FEBRUARY 1919

PREPARED BY THE BUREAU OF COMMERCE

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LEATHER STOCKS, BOOTS AND SHOES, AND OTHER MANUFACTURES OF LEATHER.

By ARTHUR B. BUTMAN.

SCOPE OF THE REPORT.

The Bureau of the Census, at the request of the War Industries Board, took a monthly census of stocks of leather on hand and in transit in the United States and of the quantities of boots and shoes, gloves, harness and saddlery, and other leather goods manufactured and on hand.

The United States was thoroughly canvassed to ascertain the leather stocks on hand May 31, 1918. Schedules were sent to manufacturers of boots and shoes, gloves, and harness and saddlery, and to dealers in leather and to tanners who do not make reports to the Tanners' Council. In order to include all establishments where there was likelihood of a leather supply, schedules were also sent to manufacturers of automobiles, carriages and wagons, and to repair shops, etc. Of the 26,200 establishments to which schedules were mailed for May, only 3,266 reported leather stocks on hand. As a result of this first inquiry for leather stocks, many names were stricken from the mailing list and for subsequent reports much smaller numbers of schedules were sent out.

A census of boots and shoes and other manufactured leather goods was first taken as of June 30, 1918, to obtain the quantities manufactured and the stocks on hand or in transit.

The results of these censuses are presented in this report. The data shown are for the leather stocks reported to the Census Bureau as on hand or in transit in the United States at the end of each month from May to December, 1918, inclusive, and for the quantities of boots and shoes, gloves, harness and saddlery, and other leather goods, manufactured during each month and stocks of these on hand or in transit at the end of each month from June to December, 1918.

In the case of leather stocks, the schedule requested that the stocks reported to the Tanners' Council should not be included in the census returns, but data for stocks of finished leather reported to them were obtained from the Tanners' Council and are shown in a table in connection with Census Office statistics.

DESCRIPTION OF GENERAL TABLES.

Following is a description of the five tables which have been prepared, and which are shown at the end of the report:

TABLE I.—*Leather stocks on hand and in transit in the United States at the end of each month from May to December, as reported to the Bureau of the Census by manufacturers of boots and shoes, cut stock, harness and saddlery, gloves, and other leather goods, and by dealers*

and tanners (not reporting to the Tanners' Council): 1918.—This table shows the number of establishments reporting and presents a summary of the total leather stocks reported to the Census Bureau, showing the number of hides, skins, etc., with equivalent in pounds or square feet. The data are also shown as reported by the several classes of manufacturers, dealers, and tanners, and the number of establishments is further shown by geographic divisions.

TABLE II.—*Finished leather on hand and in transit at the end of each month from May to December, as reported to the Bureau of the Census and to the Tanners' Council: 1918.*—This table shows combined and separately the number of the various kinds of hides, skins, etc., and pounds of sole offal reported to the Bureau of the Census and to the Tanners' Council.

TABLE III.—*Boot and shoe cut stock and findings on hand and in transit for each month from May to December, as reported to the Bureau of the Census: 1918.*—The number of pairs, pounds, or yards of the various kinds of cut stock and findings are given, with a segregation into "Men's, boys', and youths'" and "Women's, misses', and children's" where applicable.

TABLE IV.—*Boots and shoes and leather goods manufactured and stocks on hand and in transit, as reported to the Bureau of the Census: 1918.*—This table shows the number of dozen pairs of the various kinds of boots and shoes, and of gloves, the number of single sets of harness and saddlery, the number of spare parts for military harness, and the number or pounds of other miscellaneous leather goods which were manufactured during each month from June to December, 1918, inclusive, as well as the stocks of these on hand at the end of each month.

TABLE V.—*Number of establishments reporting to the Bureau of the Census quantities of boots and shoes and leather goods manufactured and stocks on hand and in transit, by classes of manufacturers and dealers and by geographic divisions: 1918.*—Table V shows the number of establishments reporting for each month from June to December, according to manufacturers of and dealers in boots and shoes, harness and saddlery, gloves, and other leather goods.

STOCKS OF LEATHER.

The data for leather stocks show that the various kinds of "shoe upper leather" reported far exceeded the quantities of patent, fancy, and glove leather. The maximum quantity of shoe upper leather reported was 173,798,474 square feet in stock July 31, 1918, and the minimum stocks reported, were 147,067,356 square feet on hand November 30, 1918.

CENSUS OF WAR COMMODITIES.

The stocks of each of the principal classes of leather reported July 31, 1918, were as follows:

	Square feet.
Shoe upper leather.....	173,798,474
Patent leather.....	6,767,002
Glove leather.....	28,281,490
Fancy leather.....	2,597,841

The distribution of the stocks of shoe upper leather on July 31, 1918, is shown in the statement below.

STOCKS OF SHOE UPPER LEATHER, JULY 31, 1918.

CLASS.	Number of establishments reporting	Quantity (square feet).
Total.....	3,883	173,798,474
Boot and shoe manufacturers.....	921	155,490,343
Cut stock manufacturers.....	241	1,833,819
Harness and saddlery manufacturers.....	550	1,025,078
Glove manufacturers.....	254	1,454,814
Other leather goods manufacturers.....	901	4,541,727
Dealers.....	699	9,052,240
Tanners (not reporting to the Tanners' Council).....	17	460,453

It will be noted that 155,490,343 square feet, or 89.5 per cent, of the total amount of "shoe upper leather" shown was reported by 921 boot and shoe manufacturers. The location of these establishments and the leather in stock is shown geographically in the following statement:

STOCKS OF SHOE UPPER LEATHER REPORTED BY BOOT AND SHOE MANUFACTURERS, JULY 31, 1918, BY GEOGRAPHIC DIVISIONS.

GEOGRAPHIC DIVISION.	Number of establishments reporting	Quantity (square feet).
United States.....	921	155,490,343
New England.....	406	75,859,552
Middle Atlantic.....	277	33,684,802
East North Central.....	135	22,500,560
West North Central.....	50	18,455,741
South Atlantic.....	18	2,168,540
East South Central.....	8	2,157,153
West South Central.....	8	396,018
Mountain.....	1	32,647
Pacific.....	18	535,330

Boot and shoe manufacturers in 10 states reported 145,489,801 square feet, or 83.7 per cent, of the total quantity of shoe upper leather reported by all classes of manufacturers, dealers, and tanners (not reporting to the Tanners' Council) in the United States. The 10 states with the number of boot and shoe manufacturers reporting and the square feet of leather are shown below.

STOCKS OF SHOE UPPER LEATHER REPORTED BY BOOT AND SHOE MANUFACTURERS IN 10 LEADING STATES, JULY 31, 1918.

STATE.	Number of establishments reporting.	Quantity (square feet).
Massachusetts.....	340	61,043,732
New York.....	160	21,389,234
Missouri.....	26	15,583,326
New Hampshire.....	36	10,378,492
Pennsylvania.....	94	9,838,659
Ohio.....	40	9,684,675
Wisconsin.....	48	6,858,748
Illinois.....	31	4,614,183
Maine.....	28	4,402,492
Virginia.....	6	1,396,260

BOOTS AND SHOES.

As the relation between shoe upper leather and boots and shoes manufactured is close, a comprehensive idea of the total quantity of shoe upper leather available at the time can be gained by considering the boots and shoes manufactured during July in connection with the stocks of shoe upper leather on hand at the end of July.

The output of boots and shoes in the United States reported as manufactured during July, 1918, was 2,677,684 dozen pairs, of which 1,085,994 dozen pairs were men's; 847,001, women's; and 744,689, youths', boys', misses', children's, and infants'. Of the total number of dozen pairs, 2,671,858, or 99.8 per cent, were manufactured by establishments producing boots and shoes exclusively. Below is shown the distribution of this product of boot and shoe factories, 2,671,858 dozen pairs, according to geographic divisions, and according to the 17 states which reported 97.5 per cent of the number of pairs.

BOOTS, SHOES, AND SLIPPERS MANUFACTURED DURING JULY, 1918, BY BOOT AND SHOE MANUFACTURERS EXCLUSIVELY, BY GEOGRAPHIC DIVISIONS.

GEOGRAPHIC DIVISION.	Total.	Men's.	Women's.	Youths', boys', misses', children's, and infants'.
	Dozen pairs.	Dozen pairs.	Dozen pairs.	Dozen pairs.
United States.....	2,671,858	1,084,911	844,084	742,863
New England.....	1,232,219	639,554	393,175	199,490
Middle Atlantic.....	893,188	248,495	263,579	381,114
East North Central.....	218,771	82,286	80,447	56,038
West North Central.....	227,466	78,351	89,600	59,515
South Atlantic.....	58,029	13,464	7,768	36,797
East South Central.....	21,401	8,875	7,223	5,303
West South Central.....	5,992	2,238	1,344	2,410
Mountain.....	167	104	.....	63
Pacific.....	14,625	11,544	948	2,133

BOOTS, SHOES, AND SLIPPERS MANUFACTURED BY BOOT AND SHOE MANUFACTURERS DURING JULY, 1918, IN THE 17 LEADING STATES.

STATE.	Total.	Men's.	Women's.	Youths', boys', misses', children's, and infants'.
	Dozen pairs.	Dozen pairs.	Dozen pairs.	Dozen pairs.
Massachusetts.....	942,086	511,190	315,732	115,164
New York.....	558,234	226,417	201,048	130,769
Pennsylvania.....	295,662	15,664	60,059	219,879
Missouri.....	207,662	67,949	84,844	54,869
New Hampshire.....	160,228	98,029	28,114	34,085
Maine.....	96,748	24,926	43,347	28,475
Ohio.....	75,437	3,486	52,712	19,239
Wisconsin.....	72,963	44,273	9,321	18,869
Illinois.....	51,956	23,058	15,388	13,510
New Jersey.....	39,352	6,414	2,472	30,466
Maryland.....	35,235	200	846	34,189
Virginia.....	20,943	12,073	6,865	1,975
Minnesota.....	17,288	8,266	4,483	4,539
Michigan.....	13,424	6,606	2,516	4,302
California.....	10,810	8,789	793	1,228
Louisiana.....	5,928	2,174	1,344	2,410
Georgia.....	1,234	1,046		188

LEATHER STATISTICS.

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TABLE I.—LEATHER STOCKS ON HAND AND IN TRANSIT IN THE UNITED STATES AT THE END OF EACH MONTH FROM MAY TO DECEMBER, AS REPORTED TO THE BUREAU OF THE CENSUS BY MANUFACTURERS OF BOOTS AND SHOES, CUT STOCK, HARNESS AND SADDLERY, GLOVES, AND OTHER LEATHER GOODS, AND BY DEALERS AND TANNERS (NOT REPORTING TO THE TANNERS' COUNCIL): 1918.

[The month of maximum number and quantity for each class and kind of leather is indicated by boldface figures and that of minimum by italic figures.]

	May 31.	JUNE 30.	July 31.	Aug. 31.	SEPT. 30.	Oct. 31.	Nov. 30.	DEC. 31.
TOTAL LEATHER STOCKS ON HAND AND IN TRANSIT IN THE UNITED STATES.								
Total number of establishments reporting.....	3,266	3,657	3,883	4,151	4,241	4,201	4,214	4,376
Boot and shoe manufacturers.....	762	873	921	1,015	995	995	992	994
Cut stock manufacturers.....	186	224	241	255	257	249	243	247
Harness and saddlery manufacturers.....	528	552	550	563	574	577	578	571
Glove manufacturers.....	206	232	254	258	266	272	277	276
Other leather goods manufacturers.....	756	829	901	972	1,011	985	988	982
Dealers.....	795	938	999	1,069	1,116	1,111	1,120	1,292
Tanners (not reporting to the Tanners' Council).....	33	29	17	19	22	12	16	14
Sole leather, backs, bends, and sides.....	1,194,536	1,402,878	1,748,530	1,667,776	1,878,248	1,945,983	1,735,755	2,228,348
Pounds.....	18,390,525	20,078,238	28,108,899	26,860,314	30,576,947	32,017,978	28,438,988	34,638,490
Sole offal leather.....	50,119,941	31,974,717	31,357,940	44,519,702	42,619,783	45,419,024	43,501,883	43,231,634
SHOE UPPER LEATHER (except patent), total ¹	148,127,122	148,294,264	173,798,474	170,546,249	166,391,407	149,365,525	147,067,358	156,787,260
Cattle—								
Grains, sides.....	1,941,351	2,167,944	2,809,561	2,772,517	2,715,820	2,070,297	2,228,038	2,281,610
Square feet.....	31,508,126	38,436,384	45,244,193	43,803,989	42,762,432	34,211,405	35,911,527	36,726,993
Splits—								
Whole sides.....	757,086	876,841	1,103,867	705,663	704,911	617,725	716,797	912,001
Square feet.....	8,627,956	10,450,024	13,158,464	7,189,366	7,127,614	6,774,025	7,095,896	10,545,419
Butts.....	790,958	651,502	775,919	716,894	753,388	550,590	602,731	488,419
Square feet.....	4,880,118	4,439,647	5,299,758	4,440,372	4,028,069	3,761,032	3,687,001	3,150,925
Horse—								
Fronts.....	162,391	179,751	181,080	173,730	154,333	150,008	118,267	141,853
Square feet.....	2,197,146	2,589,339	2,639,329	2,511,771	2,235,121	2,262,104	1,756,970	1,971,221
Butts.....	219,142	264,353	280,399	222,083	207,066	211,204	218,031	243,008
Square feet.....	2,330,342	2,710,669	3,070,934	2,221,937	2,335,038	2,263,066	2,014,732	2,304,383
Colt, ass, and mule, skins.....	47,847	52,050	44,602	58,401	58,405	60,878	52,608	50,958
Square feet.....	344,333	361,559	534,996	640,748	622,157	632,619	548,737	578,670
Calf and kip, skins.....	2,120,804	1,920,293	1,944,497	2,166,246	2,146,798	1,973,538	2,036,762	2,059,905
Square feet.....	21,197,125	15,420,359	22,776,105	24,706,797	24,576,051	23,114,128	22,881,758	23,564,340
Sheep and lamb, skins.....	2,881,481	2,764,705	2,802,137	2,751,744	2,674,130	2,583,941	2,522,758	2,747,701
Square feet.....	27,018,254	21,326,804	22,682,371	21,375,662	20,235,902	19,896,449	18,038,857	20,813,896
Goat and kid, skins.....	7,992,088	8,381,461	9,285,176	9,645,608	9,118,397	8,276,238	7,703,825	8,423,154
Square feet.....	36,390,684	39,631,557	42,737,658	46,374,060	43,928,687	40,548,985	38,404,358	40,662,845
Cabretta, skins.....	1,291,366	1,542,722	1,452,981	1,496,799	1,573,765	1,602,241	1,510,305	1,540,727
Square feet.....	7,797,740	8,229,145	8,305,771	8,723,521	8,843,594	8,894,181	8,397,758	8,330,612
Kangaroo and wallaby, skins.....	249,373	242,055	259,968	286,024	314,242	275,569	317,234	320,871
Square feet.....	1,296,320	1,330,039	1,315,900	1,436,104	1,810,511	1,341,754	1,532,181	1,535,151
Deer and elk, skins.....	108,636	202,710	184,388	180,511	189,439	226,000	184,927	199,621
Square feet.....	819,614	1,414,705	1,414,646	1,442,815	1,674,687	1,919,768	2,053,362	2,118,481
All other ²	680,057	971,876	2,323,069	2,875,067	1,485,455	1,870,452	1,437,262	3,123,542
All other.....	3,745,361	3,951,095	4,598,349	5,679,109	6,310,344	3,760,009	4,714,216	4,498,298
Square feet.....	6,808,495	5,268,653	6,767,002	10,813,421	8,217,680	7,928,093	7,637,450	8,950,335
PATENT LEATHER (except upholstery), total ¹								
Cattle—								
Grains, sides.....	407,447	180,183	159,030	178,107	173,182	192,217	157,866	160,056
Square feet.....	4,560,341	2,776,625	2,617,527	2,997,527	3,045,579	3,376,009	2,832,239	2,878,960
Splits, sides.....	66,221	73,751	77,825	137,006	161,140	151,156	203,050	254,826
Square feet.....	899,536	1,180,016	1,245,200	2,192,096	2,578,240	2,418,496	3,248,800	4,077,219
Horse—								
Fronts.....	11,761	8,177	9,580	22,441	27,915	13,348	23,383	10,162
Square feet.....	150,876	94,573	112,783	273,200	412,724	190,870	204,399	142,620
Butts.....	28,655	15,267	10,581	11,831	5,865	4,073	5,571	2,157
Square feet.....	187,634	200,016	108,209	153,812	64,545	46,310	72,327	27,672
Colt, ass, and mule, skins.....	18,815	16,768	30,630	42,155	33,710	30,378	31,346	29,567
Square feet.....	220,089	218,278	361,754	380,126	348,536	312,080	325,966	295,457
Goat and kid, skins.....	124,133	95,658	238,017	849,433	256,810	257,673	134,823	240,358
Square feet.....	501,629	420,816	1,105,867	4,355,702	1,316,384	1,325,885	698,401	1,166,169
All other ²	29,035	26,170	30,251	43,190	34,535	36,145	38,510	41,304
All other.....	288,390	378,309	1,215,228	460,958	451,672	258,443	255,327	362,241
Square feet.....	24,787,902	28,724,853	28,281,490	33,026,687	31,997,323	34,420,900	32,064,221	32,876,527
GLOVE LEATHER, total ¹								
Cattle—								
Grains, sides.....	27,185	43,920	47,131	56,584	76,508	85,942	67,937	80,014
Square feet.....	443,551	683,719	871,467	981,962	1,222,061	1,381,441	1,100,708	1,323,612
Splits, sides.....	349,370	512,070	441,647	246,287	189,732	230,270	350,357	551,680
Square feet.....	4,891,180	7,168,980	6,183,058	3,448,018	2,656,248	3,223,780	4,904,998	7,723,520
Horse—								
Fronts.....	225,711	220,536	211,904	170,136	153,299	145,986	135,062	135,062
Square feet.....	3,189,438	3,235,748	3,280,980	2,527,411	2,281,374	2,420,484	2,131,500	2,084,050
Butts.....	30,118	31,503	15,944	26,062	35,033	30,500	25,960	37,004
Square feet.....	422,862	429,022	198,762	338,269	406,470	374,005	317,836	335,872
Colt, ass, and mule, skins.....	15,876	3,583	4,063	1,892	11,154	962	5,897	3,064
Square feet.....	212,963	35,491	42,228	20,371	109,896	5,873	58,890	50,015
Calf and kip, skins.....	26,817	215,237	36,498	42,795	57,084	81,899	37,339	65,246
Square feet.....	319,760	1,285,226	404,965	499,758	635,872	828,154	377,102	584,919
Sheep and lamb, skins.....	1,832,499	1,738,295	1,826,199	2,036,621	1,946,724	2,305,722	1,886,851	1,816,416
Square feet.....	11,925,107	12,159,740	12,382,634	15,571,207	14,710,527	17,327,107	14,119,854	13,399,052
Goat and kid, skins.....	316,129	267,001	259,335	201,902	263,601	234,847	216,910	395,338
Square feet.....	1,589,038	1,248,285	1,300,320	836,713	1,177,033	920,592	1,056,176	1,971,457
Deer and elk, skins.....	92,277	190,976	113,993	103,443	195,920	139,866	133,551	137,832
Square feet.....	926,926	1,485,223	974,151	964,745	1,623,539	1,581,927	1,687,884	1,575,029
All other ²	119,928	34,365	56,399	300,243	194,653	137,355	529,437	224,585
All other.....	809,247	993,419	2,615,925	7,838,233	7,174,273	6,349,973	6,349,973	3,828,991
Square feet.....								
FANCY LEATHER, total.....	2,139,140	2,629,026	2,597,841	1,596,003	1,465,848	950,201	1,266,175	1,306,144
Bookbinder's buffings, pieces.....	258,127	241,369	392,612	112,245	106,061	70,277	157,014	151,794
Pounds.....	308,326	444,565	603,215	147,712	356,705	210,218	207,605	211,651
Skivers (finished), pieces.....	414,897	532,071	535,368	287,650	347,638	287,460	438,555	506,823
Pounds.....	1,057,575	1,347,839	1,253,083	581,992	445,101	265,341	462,538	534,764
Fleshers (finished), pieces.....	66,834	83,762	108,611	93,907	96,773	40,583	63,830	159,160
Pounds.....	177,792	241,570	233,823	139,886	104,421	41,514	78,256	162,104
Seal, skins.....	44,810	51,446	56,500	69,980	58,701	60,392	60,172	65,421
Pounds.....	178,681	196,788	165,256	226,310	235,296	166,163	214,071	167,304
Pig, skins.....	38,816	55,493	43,427	66,802	35,832	62,070	47,225	44,095
Pounds.....	160,478	220,992	188,287	299,796	163,058	248,802	183,485	167,151
All other, skins.....	65,148	57,886	71,506	83,739	57,733	36,447	43,143	47,321
Pounds.....	256,287	167,272	154,177	200,305	131,267	77,163	120,220	113,250

¹ Does not include "All other" reported in pounds.

² Equivalent in square feet not reported.

CENSUS OF WAR COMMODITIES.

TABLE I.—LEATHER STOCKS ON HAND AND IN TRANSIT IN THE UNITED STATES AT THE END OF EACH MONTH FROM MAY TO DECEMBER, AS REPORTED TO THE BUREAU OF THE CENSUS BY MANUFACTURERS OF BOOTS AND SHOES, CUT STOCK, HARNESS AND SADDLERY, GLOVES, AND OTHER LEATHER GOODS, AND BY DEALERS AND TANNERS (NOT REPORTING TO THE TANNERS' COUNCIL): 1918—Continued.

[The month of maximum number and quantity for each class and kind of leather is indicated by boldface figures and that of minimum by italic figures.]

	May 31.	JUNE 30.	July 31.	Aug. 31.	SEPT. 30.	Oct. 31.	Nov. 30.	DEC. 31.
TOTAL LEATHER STOCKS ON HAND AND IN TRANSIT IN THE UNITED STATES—Continued.								
Shearlings (tanned), skins.....	Number.....	70,492	147,707	92,332	74,024	92,570	56,221	82,660
	Pounds.....	129,153	274,018	238,986	153,064	103,667	92,400	144,570
Chamois, skins.....	Number.....	28,328	17,567	36,146	30,424	34,337	31,193	22,930
	Pounds.....	5,153	3,557	5,658	4,227	5,146	3,708	4,797
Textile leather.....	Pounds.....	254,498	298,913	213,514	279,007	236,783	293,942	262,775
Belting leather, butts.....	Number.....	120,502	137,274	199,487	133,513	110,575	144,113	115,549
	Pounds.....	2,327,301	2,578,777	2,631,542	3,042,135	2,447,159	3,224,781	2,582,404
Harness leather:								
Black, backs and sides.....	Number.....	378,815	340,005	367,543	307,690	363,100	328,997	325,313
	Pounds.....	6,071,932	6,916,646	7,404,820	6,179,727	7,386,312	6,641,122	6,446,632
Russet, backs and sides.....	Number.....	40,636	116,614	44,409	60,882	71,249	43,170	40,287
	Pounds.....	673,490	1,880,723	618,226	849,046	958,370	694,335	605,530
Skirting and collar leather, sides.....	Number.....	110,813	124,798	254,890	127,458	124,509	125,067	158,533
	Pounds.....	1,627,859	1,839,138	1,871,444	1,796,860	1,773,418	1,809,436	2,281,734
Bag and strap leather, backs and sides.....	Number.....	82,202	121,512	141,214	170,322	176,706	176,386	157,557
	Pounds.....	1,393,866	1,635,604	1,888,591	2,371,838	2,619,348	2,581,480	2,201,118
Upholstery leather:								
Grains, whole hides.....	Number.....	95,191	105,712	143,113	149,958	151,592	135,338	121,500
	Pounds.....	99,677	140,444	101,553	73,205	104,533	102,388	105,741
Splits, whole hides.....	Number.....	5,306	2,901	2,925	3,981	1,878	6,745	2,714
	Pounds.....	44,852	27,118	38,692	41,737	13,929	45,005	29,980
Horse butts, not elsewhere specified.....	Number.....	30,268	30,805	45,805	19,871	29,285	22,992	22,353
	Pounds.....	123,024	124,122	191,480	79,373	89,503	95,402	95,295
Side leather, not elsewhere specified, sides.....	Number.....	748,189	2,311,533	2,334,102	1,777,626	1,747,107	1,048,560	777,531
	Pounds.....	56,908	27,800	41,789	39,849	41,367	38,455	76,925
Rough leather:								
Butts.....	Number.....	863,985	341,764	646,458	556,121	587,554	525,116	1,030,128
	Pounds.....	41,659	18,060	25,416	37,182	68,919	56,298	44,018
Sides, backs, and bends.....	Number.....	981,126	354,672	610,095	948,139	1,645,336	1,187,187	1,103,336
	Pounds.....	32,596	35,692	35,973	43,955	67,521	45,912	35,098
Skins.....	Number.....	415,729	406,287	414,924	512,230	960,594	604,930	501,092
	Pounds.....	3,735	14,640	1,014	1,665	3,366	3,032	284
Other leather.....	Pounds.....	15,315	31,138	15,299	22,253	32,533	33,900	11,302
Furs and woolled skins.....	Number.....	7,829,040	3,449,416	4,850,416	1,661,972	3,694,577	3,196,756	3,853,124
	Pounds.....	137,093	158,582	131,278	94,250	164,020	148,759	102,383

BOOT AND SHOE MANUFACTURERS.

Number of establishments.....	762	873	921	1,015	995	995	992	994
Geographic divisions:								
New England.....	336	388	406	431	440	434	435	440
Middle Atlantic.....	224	265	277	331	296	302	300	298
North Central.....	158	170	185	196	202	197	196	194
South Atlantic.....	13	17	18	26	19	22	21	21
South Central.....	14	14	16	17	16	17	17	16
Mountain.....	1	1	1	1	1	1	1	1
Pacific.....	16	18	18	19	21	22	22	24
Sole leather, backs, bends, and sides.....	Number.....	470,501	473,835	719,278	724,187	755,997	801,332	722,313
	Pounds.....	8,164,289	9,312,792	10,574,816	11,538,542	11,820,590	12,295,320	11,550,310
Sole off leather.....	Number.....	8,510,481	8,693,210	8,146,233	7,760,587	8,840,490	9,664,070	8,854,911
SHOE UPPER LEATHER (except patent), total ¹	Square feet.....	122,623,483	128,483,168	155,490,343	151,495,645	148,491,864	135,169,247	132,503,724
Cattle—								
Grains, sides.....	Number.....	1,658,439	2,007,238	2,820,323	2,570,733	2,525,812	1,963,370	2,117,002
	Square feet.....	26,867,590	35,903,386	42,297,094	40,654,092	39,605,792	32,576,147	34,329,843
Splits—								
Whole sides.....	Number.....	449,161	459,935	554,883	563,883	488,266	586,537	583,218
	Square feet.....	4,349,895	5,410,428	10,090,911	5,574,486	5,393,864	5,093,580	5,562,319
Butts.....	Number.....	442,490	554,798	699,598	594,916	638,130	683,729	523,471
	Square feet.....	3,122,078	3,801,497	4,624,180	3,224,502	3,245,620	3,069,093	3,071,571
Horse—								
Fronts.....	Number.....	113,759	144,033	169,287	164,317	142,730	141,111	114,628
	Square feet.....	1,628,076	2,138,641	2,466,188	2,384,933	2,106,100	2,118,653	1,693,526
Butts.....	Number.....	148,726	199,871	234,352	196,425	172,909	195,088	188,387
	Square feet.....	1,647,120	2,037,917	2,467,686	1,919,016	1,877,921	2,064,865	1,773,264
Colt, ass, and mule, skins.....	Number.....	46,443	19,526	39,826	51,452	57,510	59,982	51,900
	Square feet.....	327,876	278,706	485,914	567,171	612,272	822,963	541,285
Calf and kip, skins.....	Number.....	1,988,778	1,787,929	1,824,245	2,004,208	2,012,320	1,869,630	1,882,859
	Square feet.....	19,897,255	12,326,768	21,454,279	22,973,169	23,605,815	21,815,991	21,037,238
Sheep and lamb, skins.....	Number.....	2,087,191	2,070,386	2,214,517	2,111,799	2,090,495	2,031,813	1,812,543
	Square feet.....	20,965,734	15,892,843	17,073,236	16,268,864	15,906,813	15,733,401	14,080,407
Goat and kid, skins.....	Number.....	6,928,664	7,981,217	8,863,746	8,968,680	8,541,480	7,825,870	7,239,588
	Square feet.....	32,138,090	37,784,059	40,883,587	42,977,918	41,239,815	38,462,660	36,189,306
Cabretta, skins.....	Number.....	1,063,768	1,397,336	1,330,827	1,340,151	1,441,712	1,494,829	1,404,002
	Square feet.....	6,067,219	7,412,246	7,551,858	7,885,812	8,168,328	8,250,704	7,776,996
Kangaroo and wallaby, skins.....	Number.....	226,810	236,183	254,015	278,762	308,501	268,981	292,667
	Square feet.....	1,174,605	1,297,304	1,278,042	1,400,132	1,580,432	1,308,282	1,391,424
Deer and elk, skins.....	Number.....	103,947	114,908	95,927	95,236	81,892	118,360	87,017
	Square feet.....	784,155	804,962	794,956	853,290	804,296	1,015,735	882,211
All other ²	Pounds.....	175,944	505,288	391,748	545,080	375,240	635,527	568,568
All other.....	Square feet.....	3,115,892	3,394,411	4,022,432	4,812,268	4,899,796	3,038,073	4,174,334
PATENT LEATHER (except upholstery), total ¹	Square feet.....	3,785,614	3,529,359	3,958,643	4,646,423	4,712,525	5,154,983	3,903,779
Cattle—								
Grains, sides.....	Number.....	263,939	133,841	116,671	135,818	135,291	157,870	124,842
	Square feet.....	2,141,221	2,074,185	1,971,453	2,355,306	2,446,448	2,819,243	2,827,792
Splits, sides.....	Number.....	32,421	35,944	39,644	34,723	36,322	48,908	47,631
	Square feet.....	518,736	575,104	634,304	555,568	581,152	782,525	762,096
Horse—								
Fronts.....	Number.....	6,389	4,032	3,685	6,484	7,628	8,426	7,143
	Square feet.....	93,736	51,930	54,433	85,420	104,896	129,480	109,225
Butts.....	Number.....	26,580	1,326	6,423	1,462	2,735	3,462	3,558
	Square feet.....	154,796	18,129	57,788	16,925	30,468	38,200	46,146
Colt, ass, and mule, skins.....	Number.....	15,872	16,709	28,128	38,437	33,143	27,790	28,896
	Square feet.....	184,686	217,044	334,046	342,723	343,387	284,453	299,831
Goat and kid, skins.....	Number.....	108,682	83,153	68,692	164,504	175,514	172,820	55,046
	Square feet.....	425,885	355,170	402,456	807,801	900,384	891,639	300,612
All other ²	Pounds.....	12,584	8,472	16,145	15,219	5,278	4,924	14,611
All other.....	Square feet.....	266,554	237,797	504,163	382,680	305,810	209,410	93,077

¹ Does not include "All other" reported in pounds.

² Equivalent in square feet not reported.

LEATHER STATISTICS.

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TABLE I.—LEATHER STOCKS ON HAND AND IN TRANSIT IN THE UNITED STATES AT THE END OF EACH MONTH FROM MAY TO DECEMBER, AS REPORTED TO THE BUREAU OF THE CENSUS BY MANUFACTURERS OF BOOTS AND SHOES, CUT STOCK, HARNESS AND SADDLERY, GLOVES, AND OTHER LEATHER GOODS, AND BY DEALERS AND TANNERS (NOT REPORTING TO THE TANNERS' COUNCIL): 1918—Continued.

[The month of maximum number and quantity for each class and kind of leather is indicated by boldface figures and that of minimum by italic figures.]

	May 31.	JUNE 30.	July 31.	Aug. 31.	SEPT. 30.	Oct. 31.	Nov. 30.	DEC. 31.
BOOT AND SHOE MANUFACTURERS—Continued.								
GLOVE LEATHER, total ¹	1,040,509	1,434,447	1,106,890	1,669,582	1,847,907	1,390,390	897,703	813,650
Cattle—								
Grains, sides.....	Number.....	12,010	11,199	9,744	11,196	9,955	5,758	6,190
Splits, sides.....	Square feet.....	199,169	181,852	163,810	179,556	164,738	97,527	106,572
	Number.....	6,427	7,305	8,211	9,954	8,309	7,470	10,893
	Square feet.....	89,978	102,270	114,954	139,356	116,326	104,580	152,502
Horse—								
Fronts.....	Number.....	2,632	165	1,229	971	245	590	146
Butts.....	Square feet.....	20,004	2,000	19,989	18,485	3,467	7,759	2,282
	Number.....	1,984	114	1,110	303	10,551	300	1,123
	Square feet.....	26,691	2,800	13,151	2,440	43,360	2,400	10,994
Colt, ass, and mule, skins.....	Number.....	8,132	359	536	499	700	19	2,315
	Square feet.....	151,792	3,778	6,400	5,949	8,400	193	23,150
Calf and kip, skins.....	Number.....	5,002	2,892	6,583	10,621	19,653	23,202	5,867
	Square feet.....	87,630	29,760	80,876	115,709	253,930	298,262	71,910
Sheep and lamb, skins.....	Number.....	26,512	113,329	50,586	103,344	105,142	80,743	42,885
	Square feet.....	208,977	914,140	375,004	850,144	868,886	669,813	340,976
Goat and kid, skins.....	Number.....	58,291	9,328	19,683	11,584	34,483	18,640	10,824
	Square feet.....	221,294	61,036	121,248	69,369	181,085	102,779	63,361
Deer and elk, skins.....	Number.....	1,765	811	595	67	141	1,355	1,292
	Square feet.....	20,134	10,074	11,570	895	1,596	21,396	20,600
All other ²	Pounds.....	1,702	1,067	8,920	7,250	6,830	10,245	10,433
All other.....	Square feet.....	14,840	123,737	199,888	297,679	206,119	85,681	105,356
FANCY LEATHER, total.....	Pounds.....	123,165	164,939	173,709	106,549	99,131	59,610	133,013
Bookbinder's buffings, pieces.....	Number.....	1,705	4,044	2,704	961	1,240	690	255
	Pounds.....	2,557	0,086	4,140	1,444	1,784	722	255
Skivers (finished), pieces.....	Number.....	20,726	32,271	53,188	18,259	27,923	21,472	94,220
	Pounds.....	91,167	83,023	132,447	40,763	34,631	32,438	92,804
Fleshers (finished), pieces.....	Number.....	2,654	196	688	255	234	500	124
	Pounds.....	11,592	590	1,440	482	352	500	163
Seal, skins.....	Number.....	911	863	858	647	1,515	204	659
	Pounds.....	3,644	2,331	2,309	2,590	3,220	1,053	2,662
Pig, skins.....	Number.....	3,968	18,217	5,665	11,610	11,257	5,964	9,283
	Pounds.....	14,070	72,869	30,219	54,170	52,354	24,497	37,128
All other, skins.....	Number.....	20	10	1,671	884	890	38	1
	Pounds.....	135	40	3,148	7,100	6,790	400	1
Shearlings (tanned), skins.....	Number.....	2,184	24,245	26,547	11,920	28,830	15,063	9,887
	Pounds.....	9,704	87,047	61,950	15,304	32,143	15,129	16,371
Chamois, skins.....	Number.....	216	568	464	405	547	429	320
	Pounds.....	39	102	92	68	92	72	42
Textile leather.....	Pounds.....	15,595	12,120	9,863	4,495	16,245	12,770	11,158
Bolting leather, butts.....	Number.....	156	158	55	26	8	5	24
	Pounds.....	2,281	2,607	1,277	507	59	110	597
Harness leather:								
Black, backs and sides.....	Number.....	173	322	38,074	434	177	243	102
	Pounds.....	3,419	6,325	756,846	9,781	3,651	4,840	1,846
Russet, backs and sides.....	Number.....	260	287	353	130	190	26	14
	Pounds.....	4,130	5,790	7,028	2,597	4,550	535	273
Skirting and collar leather, sides.....	Number.....	261	40	2,040	672	590	601	418
	Pounds.....	4,179	635	30,565	10,080	10,050	10,215	6,270
Bag and strap leather, backs and sides.....	Number.....	7,408	17,022	6,375	10,010	11,490	11,402	7,992
	Pounds.....	112,076	270,030	99,825	119,921	171,997	186,894	119,875
Upholstery leather:								
Grains, whole hides.....	Number.....	30	437	135	226	95		
Splits, whole hides.....	Number.....	248	28,362	576	478	692	148	560
Horse butts, not elsewhere specified.....	Number.....	2,000	803	807	811	493	378	363
	Pounds.....	18,000	5,621	5,658	5,821	3,303	2,691	2,541
Pig and hog leather, not elsewhere specified:								
Skins.....	Number.....	24,680	15,153	24,917	10,723	5,703	8,850	13,567
	Pounds.....	98,748	60,303	193,568	43,700	14,861	35,542	56,265
Strips.....	Pounds.....	255,554	247,613	277,856	162,542	246,233	218,071	178,059
Side leather, not elsewhere specified.....	Number.....	7,889	2,226	12,199	2,845	7,794	4,619	6,862
	Pounds.....	137,965	39,595	230,305	41,119	128,961	75,041	102,396
Rough leather:								
Butts.....	Number.....	143	171	1,380	4,592	2,111	2,204	1,683
	Pounds.....	3,838	4,564	34,607	109,181	56,972	59,444	44,010
Sides, backs, and bends.....	Number.....	400	1,626	247	613	2,735	3,155	3,175
	Pounds.....	6,172	28,871	3,886	11,046	52,172	42,529	64,850
Skins.....	Number.....		300	336	1,082	250	200	
	Pounds.....		1,500	1,860	6,127	15,000	12,000	
Other leather.....	Pounds.....	265,522	189,797	756,335	38,813	236,328	5,543	167,463
Furs and woolled skins.....	Number.....	1,455	468	319	1,079	576	5,794	5,902

CUT STOCK MANUFACTURERS.

Number of establishments.....	186	224	241	255	257	249	243	247
Geographic divisions:								
New England.....	143	176	184	191	195	195	189	190
Middle Atlantic.....	27	27	35	37	38	32	34	36
North Central.....	13	17	17	21	17	16	14	15
South Atlantic.....	1	3	3	3	4	3	3	3
South Central.....	1		1	1	1	1	1	1
Mountain.....								
Pacific.....	1	1	1	2	2	2	2	2
Sole leather, backs, bends, and sides.....	Number.....	357,587	572,443	526,227	397,510	780,467	821,254	559,980
	Pounds.....	4,770,988	9,431,107	0,477,048	6,302,706	13,933,892	15,175,498	9,562,759
Sole of all leather.....	Pounds.....	13,539,527	13,521,936	10,680,801	20,665,642	17,254,974	20,721,431	18,698,561
SHOE UPPER LEATHER (except patent), total ¹	Square feet.....	1,352,011	1,400,041	1,833,819	3,525,944	3,354,255	2,905,381	2,584,651
Cattle—								
Grains, sides.....	Number.....	5,887	8,365	22,348	59,382	45,988	32,505	17,605
Splits.....	Square feet.....	69,829	130,782	317,873	1,026,352	905,610	543,802	282,101
Whole sides.....	Number.....	8,433	26,498	12,304	38,814	58,577	54,862	48,181
	Square feet.....	121,009	352,589	166,931	531,869	790,933	709,191	627,442
Butts.....	Number.....	23,082	11,567	15,130	14,065	6,780	4,698	1,488
	Square feet.....	193,828	58,782	98,036	115,171	53,940	42,282	13,392

¹ Does not include "All other" reported in pounds.

² Equivalent in square feet not reported.

CENSUS OF WAR COMMODITIES.

TABLE I.—LEATHER STOCKS ON HAND AND IN TRANSIT IN THE UNITED STATES AT THE END OF EACH MONTH FROM MAY TO DECEMBER, AS REPORTED TO THE BUREAU OF THE CENSUS BY MANUFACTURERS OF BOOTS AND SHOES, CUT STOCK, HARNESS AND SADDLERY, GLOVES, AND OTHER LEATHER GOODS, AND BY DEALERS AND TANNERS (NOT REPORTING TO THE TANNERS' COUNCIL): 1918—Continued.

[The month of maximum number and quantity for each class and kind of leather is indicated by boldface figures and that of minimum by italic figures.]

	May 31.	JUNE 30.	July 31.	Aug. 31.	SEPT. 30.	Oct. 31.	Nov. 30.	DEC. 31.
CUT STOCK MANUFACTURERS—Continued.								
SHOE UPPER LEATHER (except patent) ¹ —Continued.								
Horse—								
Fronts.....	Number..... 3	48	107	49	20	28	80	
	Square feet..... 48	555	1,707	524	214	444	850	
Butts.....	Number..... 28	1,839	994	4,160	6,972	2,543	10,265	9,620
	Square feet..... 353	24,698	12,920	53,210	89,144	33,077	63,537	48,900
Colt, ass, and mule, skins.....	Number..... 26	70	70	1,792	90	90		
	Square feet..... 500	1,100	1,100	13,374	1,350	1,350		
Calf and kip, skins.....	Number..... 4,441	9,684	7,305	17,697	19,798	16,729	12,932	7,246
	Square feet..... 45,749	90,725	92,265	225,454	238,346	197,227	143,490	90,776
Sheep and lamb, skins.....	Number..... 76,217	89,097	113,823	73,486	68,656	87,074	67,344	84,897
	Square feet..... 803,504	552,197	907,313	813,708	544,833	674,044	523,516	667,514
Goat and kid, skins.....	Number..... 8,923	6,046	6,846	94,280	81,817	83,160	87,679	56,691
	Square feet..... 45,792	53,962	37,511	473,649	414,229	420,412	439,807	284,558
Cabretta, skins.....	Number..... 4,220	240	5,421	6,252	14,704	19,855	28,113	35,134
	Square feet..... 21,576	1,575	30,583	37,482	88,301	111,825	149,318	176,792
Kangaroo and wallaby, skins.....	Number..... 877	752	1,570	1,403	1,106	1,215	385	408
	Square feet..... 2,107	3,295	10,270	6,193	5,552	6,855	1,828	2,705
Deer and elk, skins.....	Number..... 6				160			
	Square feet..... 125				1,282			
All other ²	Pounds..... 169,119	264,228	1,658,959	1,953,030	803,618	803,312	220,412	1,976,199
All other.....	Square feet..... 47,691	209,782	127,310	223,763	220,521	164,898	346,370	182,986
PATENT LEATHER (except upholstery) total ¹	Square feet..... 84,817	10,186	71,826	41,117	197,569	79,626	75,948	103,068
Cattle—								
Grains, sides.....	Number..... 231	215	90	1,603	7,084	434	861	124
	Square feet..... 3,560	3,331	1,609	13,184	127,353	7,994	15,256	2,480
Splits, sides.....	Number..... 3,124	856	2,634	1,485	2,756	2,747	2,388	4,909
	Square feet..... 49,084	13,696	42,144	23,760	44,096	43,952	38,208	78,544
Horse—								
Fronts.....	Number..... 2	102	59	37	66	66		
	Square feet..... 20	1,312	950	597	1,056	1,056		
Butts.....	Number.....			123	123	123	123	115
	Square feet.....			1,600	1,600	1,600	1,600	1,500
Colt, ass, and mule, skins.....	Number..... 2,530		2,246			2,340	1,937	1,880
	Square feet..... 27,172		24,240			24,574	20,390	20,057
Goat and kid, skins.....	Number..... 1,301	18	528	372	1,308	48	84	74
	Square feet..... 4,081	847	1,883	1,976	5,520	72	418	487
All other ²	Pounds..... 1,250			7,200	3,200	3,110	5,549	5,955
All other.....	Square feet.....		1,000		17,934	378	76	
GLOVE LEATHER, total ¹	Square feet..... 54,344	6,176	419,640	443,115	314,290	223,444	308,018	254,448
Cattle—								
Grains, sides.....	Number..... 144		400	396	396		382	380
	Square feet..... 1,912		7,200	5,940	6,948		6,112	6,680
Splits, sides.....	Number..... 111	58	26,210	18,060	13,053	13,029	15,564	16,368
	Square feet..... 1,554	532	366,940	261,240	182,742	182,466	217,896	229,152
Horse—								
Fronts.....	Number..... 180					300	281	201
	Square feet..... 2,672					4,800	4,496	2,836
Butts.....	Number.....					300	4,300	432
	Square feet.....					3,900	55,900	5,616
Colt, ass, and mule, skins.....	Number.....			885	2,740			
	Square feet.....			8,855	28,721			
Calf and kip, skins.....	Number.....						18	
	Square feet.....						130	
Sheep and lamb, skins.....	Number..... 577	4,177	8,815	1,177	2,672	2,635	1,217	9,930
	Square feet..... 4,816	38,416	70,718	9,616	21,571	21,275	9,930	198
Goat and kid, skins.....	Number..... 198	1,448	1,449	1,449	497	473	828	
	Square feet..... 828	7,084	7,084	7,084	2,767	2,209		
All other ²	Pounds..... 68,110		33,761	10,090	8,000	10,000		
	Square feet..... 48,206		89,280	79,179	8,000			
FANCY LEATHER, total.....	Pounds..... 43,308	30,450	47,185	39,670	11,681	61,711	47,661	32,951
Bookbinder's buffings, pieces.....	Number..... 15		85					91
	Pounds..... 22		142					137
Skivers (finished), pieces.....	Number..... 9,787	1,860	7,359	4,952	4,385	6,691	6,394	9,613
	Pounds..... 10,758	4,400	13,372	5,066	6,577	9,929	6,382	9,639
Fleishers (finished), pieces.....	Number..... 405		396	405	805	405	403	400
	Pounds..... 1,215		396	405	1,005	422	604	400
Seal, skins.....	Number..... 1,541			781	781			
	Pounds..... 6,163			3,124	3,124			
Pig, skins.....	Number..... 6,162	6,513	8,319	7,768	243	11,806	10,168	5,711
	Pounds..... 25,150	26,050	33,275	31,075	875	47,625	40,675	22,775
All other, skins.....	Number.....					1,013		
	Pounds.....					3,735		
Shearlings (tanned), skins.....	Number..... 93		5,000	8,897	8,800	10,922	11,247	11,232
	Pounds..... 372		5,000	17,794	8,800	20,000	16,870	16,800
Chamois, skins.....	Number.....	24	24					27
	Pounds..... 5		5					4
Textile leather.....	Number.....		21					
Belting leather, butts.....	Number..... 16,680	470	537	593	907	10,397	468	632
	Pounds..... 339,848	11,550	13,031	14,819	22,686	234,924	11,700	15,800
Harness leather:								
Black, backs and sides.....	Number..... 255	52	291	971	7,181	6,368	15,884	258
	Pounds..... 5,242	899	6,935	20,388	144,210	126,162	317,765	5,193
Russet, backs and sides.....	Number.....		204	250	922			60
	Pounds..... 3,808	1,901	4,072	5,600	18,440			1,200
Skirting and collar leather, sides.....	Number..... 45,583	28,515	19,800	22,500	24,160	10,320	8,280	500
	Pounds..... 1,585	681	10,898	1,315	9,703	2,540	2,211	2,685
Bag and strap leather, backs and sides.....	Number..... 27,965	7,815	163,458	19,725	145,538	35,065	33,157	12,816
Upholstery leather:								
Grains, whole hides.....	Number.....				4,349			90
Splits, whole hides.....	Number..... 1,895	1,350	125	95	603			
Horse butts, not elsewhere specified.....	Number.....			652		50	125	
	Pounds.....			8,482				

¹ Does not include "All other" reported in pounds.

² Equivalent in square feet not reported.

LEATHER STATISTICS.

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TABLE I.—LEATHER STOCKS ON HAND AND IN TRANSIT IN THE UNITED STATES AT THE END OF EACH MONTH FROM MAY TO DECEMBER, AS REPORTED TO THE BUREAU OF THE CENSUS BY MANUFACTURERS OF BOOTS AND SHOES, CUT STOCK, HARNESS AND SADDLERY, GLOVES, AND OTHER LEATHER GOODS, AND BY DEALERS AND TANNERS (NOT REPORTING TO THE TANNERS' COUNCIL): 1918—Continued.

[The month of maximum number and quantity for each class and kind of leather is indicated by boldface figures and that of minimum by *italic* figures.]

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CUT STOCK MANUFACTURERS—Continued.								
Pig and hog leather, not elsewhere specified:								
Skins.....	Number.....	75	416	20	17,258			
Strips.....	Pounds.....	300	2,495	100	54,030			
Side leather, not elsewhere specified.....	Pounds.....	187,025	42,796	6,977	102,283	24,453	33,070	34,220
Rough leather:	Number.....	5	100	147	217	2,198	27,467	46,915
Butts.....	Pounds.....	100	1,500	2,205	3,255	33,370	411,907	
Sides, backs, and bends.....	Number.....	7,785	499	24	20,544	120	830	1,220
Other leather.....	Pounds.....	222,683	13,491	647	521,932	4,000	21,653	31,747
Furs and woolled skins.....	Number.....	2,515	984	50	11,837	1,856	1,840	17,614
	Pounds.....	26,931	16,711	750	144,901	29,646	36,800	352,012
	Pounds.....	1,643,168	1,501,625	289,213	1,864,377	1,696,881	1,998,818	80,207
	Number.....						117	117
HARNESS AND SADDLERY MANUFACTURERS.								
Number of establishments.....	528	532	550	563	574	577	578	571
Geographic divisions:								
New England.....	23	24	25	25	27	27	27	27
Middle Atlantic.....	40	39	43	47	47	53	48	52
North Central.....	307	313	317	321	329	326	327	325
South Atlantic.....	26	27	29	28	29	29	29	29
South Central.....	63	58	62	64	64	67	70	66
Mountain.....	35	34	35	38	36	35	38	32
Pacific.....	34	37	39	40	42	40	39	40
Sole leather, backs, bends, and sides.....	Number.....	10,258	23,164	15,460	22,142	20,055	21,757	11,210
Sole offal leather.....	Pounds.....	145,614	379,826	237,901	328,230	281,240	339,635	163,510
SHOE UPPER LEATHER (except patent), total ¹	Pounds.....	644,788	689,427	615,818	412,614	834,537	885,186	785,395
Cattle.....	Square feet.....	709,524	803,251	1,025,078	737,298	861,032	608,564	376,843
Grains, sides.....	Number.....	8,743	5,872	10,012	4,509	4,091	3,745	1,269
Splits.....	Square feet.....	142,680	93,904	176,731	75,695	74,462	65,780	21,689
Whole sides.....	Number.....	21,946	34,322	31,062	4,147	21,608	4,415	19,705
Butts.....	Square feet.....	235,576	355,218	322,223	61,531	177,395	64,478	172,948
Horse.....	Number.....	5,112	10,583	7,118	8,111	7,109	7,606	6,512
Fronts.....	Square feet.....	45,907	90,434	58,853	69,382	59,653	64,409	52,192
Butts.....	Number.....	3,559	3,714	3,155	3,372	2,921	3,076	225
Colt, ass, and mule, skins.....	Square feet.....	58,631	59,441	51,849	50,757	43,810	46,310	5,767
Calf and kip, skins.....	Number.....	289	69	40	70	51	14	17
Sheep and lamb, skins.....	Square feet.....	3,141	739	335	709	490	198	225
Goat and kid, skins.....	Number.....	10	61	56	110	203	182	43
Cabretta, skins.....	Square feet.....	98	729	637	1,851	2,021	1,815	436
Kangaroo and wallaby, skins.....	Number.....	2,264	4,700	15,994	4,926	6,569	3,929	1,789
Deer and elk, skins.....	Square feet.....	23,890	64,938	203,444	60,933	60,738	43,363	22,504
All other.....	Number.....	12,885	8,483	9,939	7,013	6,904	7,108	3,846
All other.....	Square feet.....	114,521	67,907	70,821	56,673	54,788	55,141	27,507
All other.....	Number.....	3,176	10,202	19,595	7,235	12,390	10,747	8,320
All other.....	Square feet.....	22,982	42,081	109,203	37,278	63,536	55,415	43,306
All other.....	Number.....	6,324	189	465	5,809	109	94	72
All other.....	Square feet.....	48,268	1,022	2,622	50,089	658	482	589
All other.....	Number.....	655	1,041	826	2,219	1,215	1,698	3,785
All other.....	Square feet.....	3,857	10,386	9,912	12,650	8,312	10,393	18,217
All other.....	Number.....	247	180	204	124	210	435	685
All other.....	Square feet.....	2,037	1,436	1,418	1,168	1,956	4,993	8,819
All other.....	Pounds.....	4,733	3,917	421	26,331	6,118	4,278	4,550
All other.....	Square feet.....	8,896	15,016	17,030	258,582	313,213	195,787	6,064
PATENT LEATHER (except upholstery), total ¹	Square feet.....	10,927	36,711	53,407	21,787	13,209	16,750	21,337
Cattle.....	Number.....	2,558	139	195	329	91	100	55
Grains, sides.....	Square feet.....	5,609	3,682	4,666	6,280	1,771	1,988	1,088
Splits, sides.....	Number.....	511	2,061	2,933	663	542	661	583
Fronts.....	Square feet.....	4,976	32,976	48,828	10,608	8,672	10,576	9,328
Butts.....	Number.....	1					12	1
Colt, ass, and mule, skins.....	Square feet.....	12					144	20
Calf and kip, skins.....	Number.....				100	54	103	718
Sheep and lamb, skins.....	Square feet.....				1,096	869	1,506	9,333
Goat and kid, skins.....	Number.....	2		1	7	7	7	5
Deer and elk, skins.....	Square feet.....	14		20	66	66	94	48
All other.....	Number.....	21	1	36	288	9	10	9
All other.....	Square feet.....	147	6	195	2,269	61	61	61
All other.....	Pounds.....	1,015		6,000				
All other.....	Square feet.....	169	48	1,598	1,534	1,770	2,476	1,425
GLOVE LEATHER, total ¹	Square feet.....	192,062	156,313	55,042	276,988	341,730	176,174	275,337
Cattle.....	Number.....	312	100	117	106	183	442	156
Grains, sides.....	Square feet.....	6,052	2,385	2,721	2,486	3,898	9,899	1,690
Splits, sides.....	Number.....	12,165	5,460	2,102	9,075	16,803	2,351	15,219
Fronts.....	Square feet.....	170,310	76,440	29,428	127,050	235,242	32,914	213,066
Butts.....	Number.....		2,734			132	220	12
Colt, ass, and mule, skins.....	Square feet.....		43,744			2,299	3,686	144
Calf and kip, skins.....	Number.....	3	37	36	40			
Sheep and lamb, skins.....	Square feet.....	20	956	936	983			
Goat and kid, skins.....	Number.....	90	120	76	24	222	953	685
Deer and elk, skins.....	Square feet.....	962	1,483	990	504	2,117	12,181	8,713
All other.....	Number.....	697	2,179	1,229	2,732	4,887	4,887	2,653
All other.....	Square feet.....	4,965	21,758	13,491	27,745	22,143	44,797	22,236
All other.....	Number.....	84	7	4	2	148	224	15
All other.....	Square feet.....	404	30	16	10	789	1,171	110
All other.....	Number.....	100	22	208	480	7	4	11
All other.....	Square feet.....	800	128	2,358	5,337	36	26	66
All other.....	Pounds.....	573		11,020	10	3,572	450	7
All other.....	Square feet.....	8,549	9,389	6,102	113,073	75,206	71,500	29,372

¹ Does not include "All other" reported in pounds.

² Equivalent in square feet not reported.

CENSUS OF WAR COMMODITIES.

TABLE I.—LEATHER STOCKS ON HAND AND IN TRANSIT IN THE UNITED STATES AT THE END OF EACH MONTH FROM MAY TO DECEMBER, AS REPORTED TO THE BUREAU OF THE CENSUS BY MANUFACTURERS OF BOOTS AND SHOES, CUT STOCK, HARNESS AND SADDLERY, GLOVES, AND OTHER LEATHER GOODS, AND BY DEALERS AND TANNERS (NOT REPORTING TO THE TANNERS' COUNCIL): 1918—Continued.

[The month of maximum number and quantity for each class and kind of leather is indicated by boldface figures and that of minimum by *italic* figures.]

		May 31.	JUNE 30.	July 31.	Aug. 31.	SEPT. 31.	Oct. 31.	Nov 30.	DEC. 31.
HARNESS AND SADDLERY MANUFACTURERS—Continued.									
FANCY LEATHER, total.....	Pounds.....	14, 312	9, 557	8, 679	6, 305	5, 073	2, 997	2, 047	1, 260
Bookbinder's buffings, pieces.....	Number.....	324	135	625	217	400	470	105	134
	Pounds.....	518	204	1, 413	327	600	705	130	189
Skivers (finished), pieces.....	Number.....	797	2, 811	499	302	1, 263	114	36	244
	Pounds.....	1, 989	7, 029	2, 666	338	2, 126	171	36	244
Fleshers (finished), pieces.....	Number.....	173	308	5, 000	400	400	400	500	500
	Pounds.....	518	924	5, 250	400	400	400	500	500
Seal, skins.....	Number.....	730	112	309	9	49	34	309	9
	Pounds.....	2, 862	450	1, 236	45	196	136	1, 236	36
Pig, skins.....	Number.....	432	469	496	79	395	384	153	62
	Pounds.....	2, 051	1, 874	1, 979	337	1, 731	1, 536	620	266
All other, skins.....	Number.....	552	24	1	1	2	13	10	10
	Pounds.....	8, 374	461	8	20	49	25	25	25
Shearlings (tanned), skins.....	Number.....	<i>4, 561</i>	12, 432	14, 081	14, 574	20, 311	15, 945	18, 227	23, 323
	Pounds.....	29, 690	53, 814	36, 725	27, 306	33, 660	29, 487	31, 854	39, 328
Chamois, skins.....	Number.....	4, 859	4, 653	<i>4, 079</i>	4, 192	4, 206	4, 652	4, 272	4, 950
	Pounds.....	884	816	<i>674</i>	627	618	736	696	790
Belting leather, butts.....	Number.....	8	322	269	12, 008	217	172	168	223
	Pounds.....	<i>183</i>	6, 932	6, 732	300, 175	5, 416	4, 290	4, 187	5, 565
Harness leather:									
Black, backs and sides.....	Number.....	319, 858	268, 272	268, 109	239, 196	254, 866	253, 804	233, 005	<i>218, 617</i>
	Pounds.....	<i>4, 854, 738</i>	<i>5, 411, 077</i>	5, 470, 460	4, 799, 799	5, 271, 171	5, 126, 438	4, 603, 684	<i>4, 366, 163</i>
Russet, backs and sides.....	Number.....	35, 661	86, 259	33, 239	39, 000	47, 272	20, 519	28, 708	33, 267
	Pounds.....	479, 960	1, 414, 687	452, 697	502, 842	569, 988	330, 257	401, 418	444, 548
Skirting and collar leather, sides.....	Number.....	<i>92, 542</i>	105, 747	236, 345	109, 767	102, 459	105, 341	135, 218	101, 165
	Pounds.....	<i>1, 335, 938</i>	1, 550, 705	1, 606, 924	1, 536, 060	1, 465, 396	1, 480, 050	1, 940, 838	1, 609, 480
Bag and strap leather, backs and sides.....	Number.....	<i>17, 042</i>	38, 384	42, 843	70, 902	50, 284	51, 742	45, 906	59, 809
	Pounds.....	<i>556, 265</i>	578, 977	672, 916	800, 576	728, 826	724, 598	590, 182	758, 732
Upholstery leather:									
Grains, whole hides.....	Number.....	441	4, 820	3, 449	<i>12</i>	2, 009	175	402	969
Splits, whole hides.....	Number.....	3, 268	<i>2, 010</i>	10, 382	3, 657	2, 508	2, 917	4, 799	6, 552
Horse butts, not elsewhere specified.....	Number.....	217	8	52	52	2	2	52	110
	Pounds.....	5, 616	105	282	282	32	274	722	722
Pig and hog leather, not elsewhere specified:									
Skins.....	Number.....	1, 283	1, 743	<i>620</i>	1, 475	853	3, 435	1, 195	3, 171
	Pounds.....	5, 197	7, 009	<i>3, 229</i>	6, 170	3, 472	15, 173	7, 761	14, 010
Strips.....	Number.....	10, 150	<i>9, 275</i>	12, 007	17, 529	12, 429	9, 427	11, 856	10, 981
Side leather, not elsewhere specified.....	Number.....	1, 934	1, 879	<i>607</i>	2, 597	3, 592	2, 406	4, 941	3, 518
	Pounds.....	31, 077	28, 202	<i>9, 558</i>	39, 883	51, 820	37, 915	79, 338	51, 631
Rough leather:									
Butts.....	Number.....	1, 122	760	1, 361	1, 025	1, 302	850	<i>552</i>	1, 347
	Pounds.....	29, 854	17, 715	34, 782	26, 804	34, 645	22, 950	<i>14, 692</i>	36, 228
Sides, backs, and beads.....	Number.....	271	1, 845	1, 253	1, 845	1, 597	398	764	757
	Pounds.....	<i>3, 618</i>	24, 613	13, 464	28, 530	29, 364	6, 930	14, 797	18, 190
Skins.....	Number.....	65	287	280	204	136	114	102	80
	Pounds.....	1, 497	12, 393	11, 986	12, 145	680	6, 220	3, 572	2, 014
Other leather.....	Number.....	206, 265	237, 885	282, 869	439, 635	217, 400	263, 482	262, 503	199, 197
	Pounds.....	9, 798	6, 892	2, 403	4, 301	3, 127	3, 031	2, 579	2, 250
Furs and woolled skins.....	Number.....								

GLOVE MANUFACTURERS.

Number of establishments.....		206	232	254	258	266	272	277	276
Geographic divisions:									
New England.....		2	4	4	6	7	7	7	7
Middle Atlantic.....		125	135	145	150	152	156	160	159
North Central.....		55	66	65	69	74	74	75	75
South Atlantic.....		4	3	3	3	4	4	3	3
South Central.....		1	1	1	2	2	2	2	2
Mountain.....		1	2	2	2	1	1	1	1
Pacific.....		20	22	34	26	26	28	29	29
Sole leather, backs, bends, and sides.....	Number.....		2	852	2	2	2	2	412
	Pounds.....		25	10, 013	25	19	19	12	8, 225
Sole offal leather.....	Pounds.....	28, 150	54, 000	13, 079	1, 239, 004	123, 420	131, 269	<i>12, 538</i>	28, 950
SHOE UPPER LEATHER (except patent), total ¹	Square feet.....	2, 452, 987	2, 479, 285	1, 454, 814	849, 654	358, 865	313, 690	190, 347	383, 107
Cattle—									
Grain, sides.....	Number.....	150	428	740	3, 527	<i>22</i>	<i>22</i>	<i>22</i>	<i>22</i>
	Square feet.....	3, 000	6, 454	11, 492	49, 421	<i>350</i>	<i>350</i>	<i>350</i>	<i>350</i>
Splits—									
Whole sides.....	Number.....	180, 033	228, 100	84, 101	18, 177	12, 093	8, 714	<i>2, 720</i>	3, 276
	Square feet.....	2, 140, 207	2, 074, 981	1, 025, 449	167, 768	168, 928	114, 200	<i>30, 598</i>	36, 039
Butts.....	Number.....	2, 812	620	10, 672	27, 972	281	281	<i>278</i>	7, 744
	Square feet.....	29, 111	5, 860	146, 683	443, 207	2, 520	2, 520	<i>2, 500</i>	54, 253
Horse—									
Fronts.....	Number.....	4	10, 419	2, 356	1, 279	2, 404	1, 279	3	51
	Square feet.....	55	165, 690	36, 743	20, 464	38, 049	20, 464	<i>53</i>	553
Butts.....	Number.....	2, 718	1, 333	3, 267	1, 244	2, 500	2, 500	2, 452	3, 000
	Square feet.....	37, 567	20, 000	44, 200	16, 742	32, 505	36, 785	45, 089	45, 089
Colt, ass, and mule, skins.....	Number.....				192				
	Square feet.....				1, 920				
Calf and kip, skins.....	Number.....	2, 124	<i>462</i>	462	996	912	901	536	2, 666
	Square feet.....	12, 410	<i>5, 410</i>	8, 730	10, 435	9, 365	9, 390	6, 089	32, 850
Sheep and lamb, skins.....	Number.....	<i>8, 807</i>	21, 030	16, 918	15, 140	17, 233	15, 654	13, 979	19, 185
	Square feet.....	<i>44, 275</i>	140, 766	118, 950	94, 092	111, 688	101, 564	92, 636	140, 870
Goat and kid, skins.....	Number.....	<i>405</i>	1, 000	1, 500	3, 114	2, 736	2, 442	1, 536	13, 733
	Square feet.....	<i>2, 832</i>	9, 000	12, 400	24, 682	19, 120	16, 282	16, 982	72, 214
Cabretta, skins.....	Number.....	126	5	5					
	Square feet.....	1, 260	32	32					
Kangaroo and wallaby, skins.....	Number.....								7
	Square feet.....								36
Deer and elk, skins.....	Number.....	456	1, 278	241	62	82	82	<i>80</i>	<i>20</i>
	Square feet.....	4, 505	7, 480	1, 880	680	880	880	<i>200</i>	<i>200</i>
All other ²	Pounds.....	900	1, 100	108	40				
All other.....	Square feet.....	177, 785	43, 612	48, 255	20, 243	7, 965	15, 475	4, 154	<i>653</i>

¹ Does not include "All other" reported in pounds.² Equivalent in square feet not reported.

LEATHER STATISTICS.

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TABLE I.—LEATHER STOCKS ON HAND AND IN TRANSIT IN THE UNITED STATES AT THE END OF EACH MONTH FROM MAY TO DECEMBER, AS REPORTED TO THE BUREAU OF THE CENSUS BY MANUFACTURERS OF BOOTS AND SHOES, CUT STOCK, HARNESS AND SADDLERY, GLOVES, AND OTHER LEATHER GOODS, AND BY DEALERS AND TANNERS (NOT REPORTING TO THE TANNERS' COUNCIL): 1918—Continued.

[The month of maximum number and quantity for each class and kind of leather is indicated by boldface figures and that of minimum by italic figures.]

		May 31.	JUNE 30.	July 31.	Aug. 31.	SEPT. 30.	Oct. 31.	Nov. 30.	DEC. 31.
GLOVE MANUFACTURERS—Continued.									
PATENT LEATHER (except upholstery), total ¹	Square feet..	126,090	191,576	56,394	294,431	1,060,028	57,069	96,661	8,386
Cattle—									
Grains, sides.....	Number.....		168	114		66	40	22	22
Square feet.....			3,000	2,490		1,400	840	480	480
Splits, sides.....	Number.....	4,166	222	722	8,310	49,980	720	1,160	
Square feet.....		66,656	3,552	11,552	132,960	799,680	11,520	18,560	
Horse—									
Fronts.....	Number.....	1,178	243	1,590	8,539	18,527	2,396	14,049	56
Square feet.....		18,369	6,566	17,626	117,573	264,438	36,803	73,897	576
Butts.....	Number.....	1,848	13,574	1,900	799		364	54	
Square feet.....		28,295	175,958	21,234	7,726		4,738	700	
Colt, ass, and mule, skins.....	Number.....				3,472	170		12	354
Square feet.....					34,720	800		72	3,538
Goat and kid, skins.....	Number.....	360		101					2
Square feet.....		1,691		992					9
All other ²	Pounds.....	10			49	2,000		2,000	3,000
All other.....	Square feet.....	11,079	2,500	2,500	1,452	2,712	3,168	2,952	3,782
GLOVE LEATHER, total ¹	Square feet..	19,280,914	18,518,825	18,460,694	19,797,125	18,555,489	21,997,717	21,514,482	20,954,805
Cattle—									
Grains, sides.....	Number.....	9,177	14,542	19,086	23,154	36,280	27,837	32,146	35,368
Square feet.....		116,593	197,265	373,700	433,730	522,903	402,440	490,113	540,512
Splits, sides.....	Number.....	298,348	328,005	259,228	169,100	127,247	157,159	269,170	363,727
Square feet.....		4,176,872	4,592,070	3,629,192	2,367,400	1,731,468	2,200,226	3,768,380	5,082,178
Horse—									
Fronts.....	Number.....	221,323	203,627	188,805	153,365	125,846	140,905	138,322	126,769
Square feet.....		3,144,984	3,012,447	2,905,291	2,301,126	2,032,759	2,248,988	2,029,654	1,977,895
Butts.....	Number.....	26,130	28,966	14,510	22,273	20,449	21,916	17,127	30,044
Square feet.....		369,089	391,166	178,457	279,279	257,147	248,914	206,610	239,604
Colt, ass, and mule, skins.....	Number.....	7,137	3,027	3,484	468	7,714	196	3,329	1,500
Square feet.....		55,711	28,925	34,842	4,584	72,775	1,948	33,210	28,375
Calf and kip, skins.....	Number.....	10,456	39,351	17,316	10,548	14,405	45,978	7,989	15,326
Square feet.....		127,497	368,774	209,385	169,775	162,918	326,825	100,219	163,876
Sheep and lamb, skins.....	Number.....	1,492,305	1,302,009	1,335,778	1,382,461	1,192,695	1,464,311	1,304,465	1,246,090
Square feet.....		9,463,417	8,284,538	8,624,841	9,702,976	8,715,064	10,870,234	9,429,018	9,163,904
Goat and kid, skins.....	Number.....	145,568	155,777	149,521	120,839	110,355	116,418	117,258	164,602
Square feet.....		624,793	631,265	660,048	440,844	427,020	429,791	464,162	755,698
Deer and elk, skins.....	Number.....	88,361	27,528	28,750	92,567	108,599	126,297	123,205	121,069
Square feet.....		883,463	172,481	220,513	872,888	863,293	1,463,883	1,619,878	1,382,915
All other ²	Pounds.....	45,864	26,689	28,030	154,231	74,864	97,380	381,809	183,460
All other.....	Square feet.....	518,815	641,894	1,629,425	3,224,523	3,720,092	4,004,468	3,373,238	1,609,848
FANCY LEATHER, total.....	Pounds.....	142,688	169,983	180,457	170,902	174,431	118,609	117,941	177,822
Bookbinder's buffings, pieces.....	Number.....	19,100	891	19,831	19,680	19,848	708	15,728	15,728
Pounds.....		28,650	1,443	29,840	20,159	29,873	1,148	23,592	23,579
Skivers (finished), pieces.....	Number.....	245	4,617	4,473	2,539	21,117	2,064	23,711	23,712
Pounds.....		688	12,587	11,182	6,347	33,166	2,053	28,550	26,712
Fleshers (finished), pieces.....	Number.....	10,744	28,937	33,089	21,629	44,459	9,226	16,085	80,720
Pounds.....		30,412	79,356	71,573	28,060	44,778	6,781	20,551	81,404
Seal, skins.....	Number.....	3,488	3,704	4,202	4,325	3,098	4,406	4,167	3,697
Pounds.....		17,432	14,758	18,761	17,360	16,898	17,560	16,603	14,723
Pig, skins.....	Number.....	5,194	11,631	9,198	24,194	5,096	21,701	6,198	7,069
Pounds.....		24,298	57,306	45,675	98,988	21,521	88,461	24,795	29,219
All other, skins.....	Number.....	10,444	1,639	2,151	44	8,300	1,483	2,011	1,315
Pounds.....		41,208	4,533	8,436	110	28,195	2,611	3,850	2,185
Shearlings (tanned), skins.....	Number.....	9,483	9,488	85,279	43,227	6,337	39,930	11,879	27,427
Pounds.....		48,599	37,884	105,931	63,548	12,560	52,388	21,029	54,735
Chamois, skins.....	Number.....	4,846	4,609	5,030	4,878	4,111	4,310	4,118	5,862
Pounds.....		833	825	921	855	717	726	487	662
Textile leather.....	Pounds.....	9,245	22,245	17,245	27,300	40,234	32,500	31,650	13,000
Belting leather, butts.....	Number.....			600					
Pounds.....				15,000					
Harness leather:									
Black, backs and sides.....	Number.....		17	96			72		4,005
Pounds.....			342	1,875			1,586		80,100
Russet, backs and sides.....	Number.....	1		838		36	36	36	60
Pounds.....		14		16,735		720	720	720	1,210
Skirting and collar leather, sides.....	Number.....		133	36			81	215	213
Pounds.....			2,000	515			1,395	3,225	3,195
Bag and strap leather, backs and sides.....	Number.....	893	414	1,390	1,333	1,687	648	310	310
Pounds.....		3,945	6,210	21,517	19,995	24,981	9,902	4,650	4,650
Upholstery leather:									
Grains, whole hides.....	Number.....	490	400	400			7		
Splits, whole hides.....	Number.....	2,898	27,516	21,516	2,034	3,551			
Horse butts, not elsewhere specified.....	Number.....	2,016							58
Pounds.....		7,224							750
Pig and hog leather, not elsewhere specified, skins.....	Number.....	114	6,862	11,498	756	180	2,500	3,262	2,250
Pounds.....		1,672	27,522	50,982	3,204	900	10,000	13,048	9,000
Side leather, not elsewhere specified.....	Number.....	250							
Pounds.....		6,250							
Rough leather, sides, backs, and bends.....	Number.....			12	12	12			
Pounds.....				216	192	220			
Other leather.....	Pounds.....			3,827	11,028			4,616	
Furs and woolled skins.....	Number.....	116,081	103,869	105,340	82,781	142,135	112,556	79,819	98,013

OTHER LEATHER MANUFACTURERS.

Number of establishments.....	756	829	901	972	1,011	985	988	982
Geographic divisions:								
New England.....	116	135	148	156	160	157	159	156
Middle Atlantic.....	294	320	354	379	400	388	388	385
North Central.....	270	278	310	335	345	335	337	336
South Atlantic.....	21	24	23	26	26	28	30	29
South Central.....	23	25	21	23	24	24	23	24
Mountain.....	4	3	4	5	8	7	4	4
Pacific.....	28	44	41	48	48	46	47	48

¹ Does not include "All other" reported in pounds.

² Equivalent in square feet not reported.

CENSUS OF WAR COMMODITIES.

TABLE I.—LEATHER STOCKS ON HAND AND IN TRANSIT IN THE UNITED STATES AT THE END OF EACH MONTH FROM MAY TO DECEMBER, AS REPORTED TO THE BUREAU OF THE CENSUS BY MANUFACTURERS OF BOOTS AND SHOES, CUT STOCK, HARNESS AND SADDLERY, GLOVES, AND OTHER LEATHER GOODS, AND BY DEALERS AND TANNERS (NOT REPORTING TO THE TANNERS' COUNCIL): 1918—Continued.

[The month of maximum number and quantity for each class and kind of leather is indicated by boldface figures and that of minimum by *italic* figures.]

	May 31.	JUNE 30.	July 31.	Aug. 31.	SEPT. 30.	Oct. 31.	Nov. 30.	DEC. 31.
OTHER LEATHER MANUFACTURERS—Continued.								
Sole leather, backs, bends, and sides.....	Number..... 37,238	29,356	215,201	218,182	<i>24,813</i>	30,358	193,593	211,754
	Pounds..... 601,493	467,880	4,268,305	4,282,101	<i>562,753</i>	386,937	3,776,888	4,147,860
Sole offal leather.....	Pounds..... <i>1,639,659</i>	2,079,620	3,513,105	2,880,957	4,782,695	3,765,465	3,472,327	2,963,138
SHOE UPPER LEATHER (except patent), total ¹	Square feet.. 4,727,316	4,750,502	4,541,727	3,260,323	3,661,232	<i>2,950,627</i>	3,414,656	3,275,076
Cattle—								
Grains, sides.....	Number..... 23,018	34,065	40,660	22,680	34,530	15,605	25,453	<i>11,190</i>
	Square feet.. 385,323	585,953	729,748	397,857	638,814	264,579	423,768	<i>193,390</i>
Splits—								
Whole sides.....	Number..... 55,059	69,134	50,750	29,528	<i>15,050</i>	27,827	19,139	24,963
	Square feet.. 1,262,075	1,507,734	732,300	403,358	<i>219,852</i>	375,675	288,180	336,705
Butts.....	Number..... 33,285	33,435	34,987	61,938	67,490	63,881	66,897	61,265
	Square feet.. <i>266,566</i>	291,756	309,187	495,450	553,046	498,676	513,095	448,597
Horse—								
Fronts.....	Number..... 2,734	1,069	1,578	655	<i>381</i>	1,486	913	1,282
	Square feet.. 42,180	16,137	24,937	10,907	<i>6,428</i>	24,182	14,192	20,819
Butts.....	Number..... 1,790	5,141	5,142	1,260	1,071	1,133	855	2,328
	Square feet.. 19,877	67,047	67,034	10,033	13,555	11,791	10,590	38,520
Colt, ass, and mule, skins.....	Number..... 847	1,831	60					102
	Square feet.. 8470	70,905	600					1,020
Calf and kip, skins.....	Number..... 12,934	47,049	18,158	10,885	11,390	<i>9,468</i>	18,725	17,633
	Square feet.. 158,703	157,850	202,089	132,611	131,350	110,027	217,223	203,042
Sheep and lamb, skins.....	Number..... 276,952	212,773	238,472	189,953	175,057	176,769	172,552	190,340
	Square feet.. 2,089,055	1,643,500	2,110,225	1,469,198	<i>1,354,262</i>	1,386,563	1,491,946	1,574,827
Goat and kid, skins.....	Number..... 37,141	30,721	31,003	22,625	24,997	30,288	38,071	26,319
	Square feet.. 204,153	169,641	160,838	<i>135,223</i>	135,412	152,660	189,604	135,484
Cabretta, skins.....	Number..... 17,743	18,178	4,281	11,347	10,447	<i>4,017</i>	5,270	7,026
	Square feet.. 83,056	65,121	45,349	48,111	54,461	<i>21,619</i>	27,178	30,748
Kangaroo and wallaby, skins.....	Number..... 1,804	775	102	693	179	566	17,309	13,740
	Square feet.. 14,686	5,802	1,020	3,769	1,541	2,843	106,325	127,704
Deer and elk, skins.....	Number..... 731	331	427	830	826	876	891	920
	Square feet.. 8,157	3,221	5,162	9,798	9,952	11,409	10,740	9,846
All other ²	Pounds..... 65,893	31,429	30,882	52,560	46,543	114,284	53,129	68,695
All other.....	Square feet.. 180,015	165,725	155,238	148,008	544,529	<i>90,708</i>	121,815	154,374
PATENT LEATHER (except upholstery), total ¹	Square feet.. 183,644	909,936	1,343,915	1,538,792	1,197,470	1,750,156	2,772,302	3,175,205
Cattle—								
Grains, sides.....	Number..... 2,150	18,061	13,097	14,264	7,965	14,103	14,588	10,168
	Square feet.. 40,801	325,831	240,216	255,560	148,557	262,489	284,141	200,513
Splits, sides.....	Number..... 7,474	27,373	23,287	76,643	60,387	90,689	145,497	183,506
	Square feet.. 119,584	437,968	372,592	1,226,288	966,192	1,451,024	2,327,952	2,936,080
Horse—								
Fronts.....	Number..... 36	44			1,236	24	2	
	Square feet.. 460	685			18,185	385	36	
Butts.....	Number..... 141	355	849	558	20			
	Square feet.. 4,020	5,752	14,134	15,450	260			
Colt, ass, and mule, skins.....	Number..... 240		1	3		3		
	Square feet.. 2,402		13	18		122		
Goat and kid, skins.....	Number..... 2,940	2,397	2,407	1,492	2,450	4,329	7,166	1,229
	Square feet.. 13,394	12,915	13,830	9,004	16,266	24,662	39,155	6,345
All other ²	Pounds..... 4,059	3,803	6,187	4,625	7,287	9,434	1,874	3,500
All other.....	Square feet.. 8,883	126,785	703,130	32,472	47,888	11,474	121,018	32,267
GLOVE LEATHER, total ¹	Square feet.. 2,433,899	3,152,887	3,831,771	7,212,424	6,586,899	8,137,766	5,616,917	4,487,660
Cattle—								
Grains, sides.....	Number..... 2,001	10,938	12,337	15,951	23,052	39,938	20,598	24,716
	Square feet.. 68,187	183,030	222,487	269,861	413,470	680,124	359,730	431,456
Splits, sides.....	Number..... 13,952	6,935	12,000	24,581	18,340	23,950	20,391	24,523
	Square feet.. 195,328	97,080	168,000	344,134	256,760	335,300	285,474	343,322
Horse—								
Fronts.....	Number..... 1,169	6,094	7,842	8,764	10,157	6,904	6,475	5,830
	Square feet.. 15,160	77,748	104,328	118,235	142,873	90,576	83,950	73,714
Butts.....	Number..... 176	261		4,001	6,648	5,233	6,559	61
	Square feet.. 2,816	3,540		51,550	100,963	83,033	8,574	500
Colt, ass, and mule, skins.....	Number..... 604						253	
	Square feet.. 5,440						2,630	
Calf and kip, skins.....	Number..... 7,686	11,000	9,768	19,618	16,769	12,166	16,585	8,390
	Square feet.. 71,648	127,687	80,236	191,278	161,547	157,215	137,011	101,162
Sheep and lamb, skins.....	Number..... 153,813	243,976	276,193	384,742	469,583	551,747	389,450	314,550
	Square feet.. 1,186,360	1,989,183	2,147,168	3,742,211	3,770,272	4,446,913	3,107,684	2,480,558
Goat and kid, skins.....	Number..... 86,661	85,667	83,911	58,920	72,608	94,882	85,449	69,645
	Square feet.. 606,739	469,292	489,200	282,525	336,145	364,176	460,335	365,588
Deer and elk, skins.....	Number..... 1,535	1,747	3,332	7,324	7,098	8,484	6,559	6,524
	Square feet.. 15,948	12,025	16,717	66,767	49,609	71,781	40,108	50,003
All other ²	Pounds..... 7,071	6,832	12,300	91,449	52,852	47,536	49,443	15,916
All other.....	Square feet.. 272,373	193,286	603,635	2,145,883	1,355,230	1,908,648	1,131,526	641,357
FANCY LEATHER, total.....	Pounds..... 1,596,458	1,803,244	1,721,021	1,049,869	1,076,868	611,989	877,673	679,786
Bookbinder's buffings, pieces.....	Number..... 224,882	212,651	343,613	82,029	80,500	<i>62,510</i>	137,623	97,376
	Pounds..... 260,572	400,847	528,999	112,303	348,074	90,097	179,060	134,911
Skivers (finished), pieces.....	Number..... 340,307	373,384	368,547	222,859	265,097	173,360	281,098	312,844
	Pounds..... 860,324	919,873	791,873	408,666	338,525	<i>195,672</i>	298,518	328,389
Fleshers (finished), pieces.....	Number..... 39,193	43,279	53,641	54,452	40,617	<i>27,671</i>	36,711	41,211
	Pounds..... 96,591	127,905	101,795	71,517	47,511	<i>24,694</i>	42,215	43,452
Seal, skins.....	Number..... 36,869	42,241	47,022	46,170	48,632	51,146	53,985	46,669
	Pounds..... 144,107	161,739	132,081	185,312	195,210	179,102	189,218	60,184
Pig, skins.....	Number..... 19,345	13,460	13,807	12,479	<i>11,303</i>	13,782	15,373	15,616
	Pounds..... 77,776	52,667	56,188	83,731	55,587	55,578	61,490	47,972
All other, skins.....	Number..... 50,897	51,135	48,514	80,108	45,625	31,777	37,211	29,113
	Pounds..... 157,088	140,213	110,085	188,340	91,961	66,846	107,172	64,678
Shearlings (tanned), skins.....	Number..... 1,665	10,568	7,301	6,965	3,056	4,588	3,512	2,909
	Pounds..... 5,854	56,571	8,164	13,734	4,506	4,945	4,143	4,879
Chamois, skins.....	Number..... 3,930	5,013	10,746	6,983	6,483	6,299	5,090	6,741
	Pounds..... 678	1,285	1,246	1,229	1,110	1,067	849	1,176
Textile leather.....	Pounds..... 202,803	259,556	184,237	244,659	175,150	241,005	209,282	90,919
Belting leather, butts.....	Number..... 99,789	127,495	194,884	119,188	106,686	129,825	112,260	113,548
	Pounds..... <i>1,802,427</i>	2,338,589	2,522,587	2,684,535	2,351,870	2,896,804	2,508,300	2,516,941

¹ Does not include "All other" reported in pounds.

² Equivalent in square feet not reported.

LEATHER STATISTICS.

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TABLE I.—LEATHER STOCKS ON HAND AND IN TRANSIT IN THE UNITED STATES AT THE END OF EACH MONTH FROM MAY TO DECEMBER, AS REPORTED TO THE BUREAU OF THE CENSUS BY MANUFACTURERS OF BOOTS AND SHOES, CUT STOCK, HARNESS AND SADDLERY, GLOVES, AND OTHER LEATHER GOODS, AND BY DEALERS AND TANNERS (NOT REPORTING TO THE TANNERS' COUNCIL): 1918—Continued.

[The month of maximum number and quantity for each class and kind of leather is indicated by boldface figures and that of minimum by italic figures.]

		May 31.	JUNE 30.	July 31.	Aug 31.	SEPT. 30.	Oct. 31.	Nov. 30.	DEC. 31.
OTHER LEATHER MANUFACTURERS—Continued.									
Harness leather:									
Black, backs and sides.....	Number.....	8,512	7,046	10,285	11,762	36,616	13,365	24,699	23,062
	Pounds.....	177,472	127,486	149,066	246,578	706,321	267,078	501,110	466,849
Russet, backs and sides.....	Number.....	1,067	1,397	3,326	16,822	18,011	17,440	6,625	3,056
	Pounds.....	23,008	25,915	63,117	271,470	291,728	284,659	115,347	58,221
Skirting and collar leather, sides.....	Number.....	5,862	7,716	6,427	7,125	9,244	12,780	11,508	21,271
	Pounds.....	104,056	133,270	91,687	106,187	140,252	228,456	164,953	277,727
Bag and strap leather, backs and sides.....	Number.....	43,408	57,164	75,287	81,639	96,053	96,834	82,352	63,765
	Pounds.....	733,427	649,813	853,185	1,334,493	1,438,002	1,428,703	1,178,749	918,559
Upholstery leather:									
Grains, whole hides.....	Number.....	39,945	94,818	133,990	143,177	139,083	125,403	113,443	139,263
	Pounds.....	79,200	72,129	53,259	39,745	64,958	89,587	77,311	54,304
Splits, whole hides.....	Number.....	672	1,862	1,914	2,466	580	1,017	2,088	727
	Pounds.....	8,589	18,301	26,739	26,719	8,625	9,776	23,794	7,472
Pig and hog leather, not elsewhere specified:									
Skins.....	Number.....	1,891	4,118	4,283	4,225	4,470	4,189	1,293	1,006
	Pounds.....	8,018	17,918	16,742	16,873	5,360	17,746	5,585	4,634
Strips.....	Pounds.....	196,928	1,791,033	1,814,181	1,269,521	1,283,623	12,964	18,346	15,715
Side leather, not elsewhere specified.....	Number.....	19,927	16,194	25,699	27,659	20,049	26,600	21,762	27,400
	Pounds.....	274,826	291,680	357,229	379,744	256,330	337,220	327,747	441,854
Rough leather:									
Butts.....	Number.....	29,366	11,160	19,305	26,532	40,828	48,117	35,415	25,753
	Pounds.....	662,915	224,460	477,666	632,251	936,441	999,172	913,772	588,022
Sides, backs, and bends.....	Number.....	26,168	30,752	30,762	28,652	35,889	28,015	23,508	20,499
	Pounds.....	350,138	333,246	348,568	320,588	617,488	332,873	296,962	328,388
Skins.....	Number.....	668	271	390	398	810	718	30	195
	Pounds.....	4,806	2,225	1,388	3,971	4,094	3,680	192	430
Other leather.....	Pounds.....	1,049,812	979,842	874,103	789,342	981,885	686,683	1,208,030	1,126,954
Furs and woaled skins.....	Number.....	4,954	8,498	8,771	1,716	7,630	12,398	8,073	983

DEALERS IN LEATHER.

Number of establishments.....	795	938	999	1,069	1,116	1,111	1,120	1,292
Geographic divisions:								
New England.....	152	177	182	193	202	193	200	274
Middle Atlantic.....	233	266	289	300	307	314	313	395
North Central.....	255	300	326	349	368	367	370	380
South Atlantic.....	49	58	61	64	66	64	64	74
South Central.....	48	61	67	78	80	79	78	80
Mountain.....	22	28	29	31	35	37	37	33
Pacific.....	36	48	45	54	58	57	58	56
Sole leather, backs, bends, and sides.....	Number.....	243,004	301,528	270,912	307,453	296,288	271,280	248,639
	Pounds.....	3,114,069	435,608	3,525,816	4,202,110	4,163,215	3,820,569	3,385,107
Sole offal leather.....	Pounds.....	4,790,654	6,886,524	8,494,404	10,962,354	10,725,660	10,251,603	11,400,151
SHOE UPPER LEATHER (except patent), total ¹	Square feet.....	8,111,919	9,181,703	9,052,240	9,707,781	8,889,087	7,121,989	7,572,380
Cattle—								
Grains, sides.....	Number.....	57,968	99,427	112,278	107,128	105,357	55,050	66,627
	Square feet.....	1,100,074	1,566,383	1,636,255	1,550,804	1,539,044	760,747	852,822
Splits—								
Whole sides.....	Number.....	31,589	51,692	67,493	41,873	31,457	30,841	39,658
	Square feet.....	407,723	660,174	760,850	419,248	345,542	341,838	402,409
Butts.....	Number.....	12,350	12,961	8,416	9,619	13,598	10,665	4,084
	Square feet.....	90,901	108,734	62,819	62,660	113,890	84,052	54,251
Horse—								
Fronts.....	Number.....	14,575	5,223	4,522	4,058	5,807	3,028	2,415
	Square feet.....	148,955	58,616	56,125	44,186	39,180	52,051	44,524
Butts.....	Number.....	19,439	20,479	27,964	17,945	18,023	9,921	16,055
	Square feet.....	230,748	236,367	349,159	202,367	224,928	120,630	140,331
Colt, ass, and mule, skins.....	Number.....	581	771	4,590	4,855	602	644	655
	Square feet.....	7,389	10,060	46,745	61,430	6,514	6,491	7,016
Calf and kip, skins.....	Number.....	64,607	51,149	77,908	110,742	95,371	72,883	87,196
	Square feet.....	562,594	537,637	811,898	1,065,095	1,079,847	939,030	1,193,730
Sheep and lamb, skins.....	Number.....	348,641	396,628	291,840	310,481	297,307	253,479	252,684
	Square feet.....	2,452,113	2,927,268	2,285,787	2,350,368	2,143,121	1,870,319	1,822,789
Goat and kid, skins.....	Number.....	649,747	362,275	351,365	555,174	357,694	286,749	299,515
	Square feet.....	2,257,955	1,592,814	1,509,305	2,462,112	1,570,160	1,265,946	1,375,523
Cabretta, skins.....	Number.....	130,389	131,774	111,985	133,240	106,793	83,446	72,848
	Square feet.....	605,798	749,149	675,327	702,027	631,846	509,650	443,877
Kangaroo and wallaby, skins.....	Number.....	5,247	3,304	3,455	2,947	3,241	3,109	3,088
	Square feet.....	25,290	15,552	16,656	13,360	14,674	13,381	14,390
Deer and elk, skins.....	Number.....	3,449	55,777	87,589	84,259	103,267	106,247	96,306
	Square feet.....	20,637	565,700	613,230	577,879	856,201	886,751	1,151,229
All other ²	Pounds.....	233,454	166,914	240,951	374,040	253,936	313,051	590,603
All other.....	Square feet.....	201,742	125,549	228,084	206,245	324,200	281,103	89,489
PATENT LEATHER (except upholstery), total ¹	Square feet.....	543,785	581,865	1,262,017	4,185,879	1,012,081	869,509	751,423
Cattle—								
Grains, sides.....	Number.....	25,110	27,759	28,863	26,093	22,093	19,670	17,698
	Square feet.....	350,241	366,586	397,527	367,197	308,210	283,455	245,463
Splits, sides.....	Number.....	6,261	7,295	7,305	9,870	10,905	7,431	4,791
	Square feet.....	100,176	116,720	116,880	157,920	174,480	118,896	76,666
Horse—								
Fronts.....	Number.....	4,155	3,756	4,306	7,381	2,458	2,424	2,189
	Square feet.....	38,279	34,080	39,774	69,610	24,151	23,002	21,841
Butts.....	Number.....	86	12	1,404	8,789	2,933	21	1,118
	Square feet.....	523	177	15,053	111,015	31,348	206	14,548
Colt, ass, and mule, skins.....	Number.....	471	59	254	243	387	245	259
	Square feet.....	5,815	1,234	3,435	2,665	4,181	2,901	5,579
Goat and kid, skins.....	Number.....	7,276	10,149	166,253	682,777	77,529	80,467	72,517
	Square feet.....	41,046	51,879	686,511	3,434,652	394,153	409,451	358,152
All other ²	Pounds.....	10,117	13,895	7,919	15,097	16,770	18,877	15,176
All other.....	Square feet.....	7,705	11,179	2,637	42,820	75,656	31,779	31,136

¹ Does not include "All other" reported in pounds.

² Equivalent in square feet not reported.

CENSUS OF WAR COMMODITIES.

TABLE I.—LEATHER STOCKS ON HAND AND IN TRANSIT IN THE UNITED STATES AT THE END OF EACH MONTH FROM MAY TO DECEMBER, AS REPORTED TO THE BUREAU OF THE CENSUS BY MANUFACTURERS OF BOOTS AND SHOES, CUT STOCK, HARNESS AND SADDLERY, GLOVES, AND OTHER LEATHER GOODS, AND BY DEALERS AND TANNERS (NOT REPORTING TO THE TANNERS' COUNCIL): 1918—Continued.

[The month of maximum number and quantity for each class and kind of leather is indicated by boldface figures and that of minimum by italic figures.]

		May 31.	JUNE 30.	July 31.	Aug. 31.	SEPT. 30.	Oct. 31.	Nov. 30.	DEC. 31.
DEALERS IN LEATHER—Continued.									
GLOVE LEATHER, total ¹	Square feet.....	<i>582,222</i>	3,617,088	2,900,772	3,238,783	3,116,154	1,882,271	1,933,552	5,355,648
Cattle—									
Grains, sides.....	Number.....	<i>2,545</i>	3,770	5,447	5,781	6,642	11,967	8,465	14,466
	Square feet.....	<i>42,064</i>	63,584	101,549	90,389	110,074	201,451	136,551	255,483
Splits, sides.....	Number.....	<i>7,160</i>	143,806	130,077	11,654	4,106	25,511	19,120	82,733
	Square feet.....	100,240	2,013,284	1,821,078	163,156	57,470	357,154	267,680	1,158,262
Horse—									
Fronts.....	Number.....	<i>255</i>	6,548	7,511	7,036	4,014	4,340	750	784
	Square feet.....	<i>4,299</i>	82,310	103,528	89,565	59,212	64,225	11,274	11,671
Butts.....	Number.....	105	514	385	385	2,750	2,751	6,752	6,752
	Square feet.....	1,866	9,074	5,000	5,000	35,750	35,758	87,670	87,670
Colt, ass, and mule, skins.....	Number.....	<i>154</i>	7	7	7	147	147	147	147
	Square feet.....	<i>1,732</i>	50	50	50	1,732	1,732	1,732	1,732
Calf and kip, skins.....	Number.....	<i>1,621</i>	157,179	1,581	1,986	6,012	2,692	6,195	35,558
	Square feet.....	<i>14,335</i>	717,264	18,278	22,692	55,155	33,671	59,119	244,440
Sheep and lamb, skins.....	Number.....	<i>54,718</i>	94,166	90,848	112,798	141,889	138,052	95,299	208,053
	Square feet.....	<i>386,780</i>	688,828	658,023	843,583	1,037,746	967,299	802,953	1,388,047
Goat and kid, skins.....	Number.....	<i>3,795</i>	4,900	4,767	9,108	11,185	4,146	2,891	142,224
	Square feet.....	<i>18,148</i>	25,889	22,724	46,881	58,045	19,908	14,999	747,083
Deer and elk, skins.....	Number.....	<i>156</i>	68	4,108	2,900	2,485	2,246	1,734	8,776
	Square feet.....	<i>1,144</i>	515	28,993	17,702	15,005	12,841	9,737	118,822
All other ²	Pounds.....	310	142	3,982	11,872	23,025	27,159	77,933	14,769
	Square feet.....	<i>12,206</i>	23,632	137,475	1,959,815	1,718,447	188,240	595,481	1,343,068
FANCY LEATHER, total.....	Pounds.....	219,113	439,693	455,630	222,708	98,553	95,285	87,840	317,270
Bookbinder's buffings, pieces.....	Number.....	12,037	23,648	25,784	9,358	3,999	5,904	3,303	37,113
	Pounds.....	15,911	35,985	38,675	13,479	6,263	8,551	4,668	50,907
Skivers (finished), pieces.....	Number.....	43,035	106,488	90,142	38,768	27,853	23,759	33,096	103,780
	Pounds.....	92,649	309,787	290,383	120,812	30,076	25,078	36,248	109,180
Fleshers (finished), pieces.....	Number.....	13,365	11,350	20,489	12,166	10,258	8,431	10,307	35,981
	Pounds.....	37,464	33,719	57,695	34,172	10,375	8,717	14,723	36,000
Seal, skins.....	Number.....	1,280	4,526	4,109	18,048	4,126	4,542	1,052	14,528
	Pounds.....	4,473	17,510	15,879	17,879	16,648	18,312	4,352	49,981
Pig, skins.....	Number.....	4,317	5,203	5,942	10,672	7,636	8,333	6,050	7,210
	Pounds.....	17,134	20,226	20,951	31,618	30,890	31,105	18,777	24,730
All other, skins.....	Number.....	3,235	5,102	19,146	2,752	2,916	2,123	3,910	20,883
	Pounds.....	51,482	22,486	32,047	4,747	4,301	3,522	9,172	46,462
Shearlings (tanned), skins.....	Number.....	10,332	13,411	9,499	6,749	6,690	6,124	1,469	4,903
	Pounds.....	34,734	38,202	21,216	15,378	12,008	9,569	2,133	8,362
Chamois, skins.....	Number.....	14,478	2,700	15,803	13,966	18,990	15,503	9,130	21,237
	Pounds.....	2,724	524	2,820	1,448	2,609	1,107	1,112	2,116
Textile leather.....	Pounds.....	1,855	4,992	2,148	2,553	5,154	7,667	10,685	6,848
Belting leather, butts.....	Number.....	2,502	4,329	3,042	1,698	2,715	3,556	2,457	24,827
	Pounds.....	55,441	106,599	72,915	42,099	65,864	85,465	53,320	491,021
Harness leather:									
Black, backs and sides.....	Number.....	<i>49,597</i>	63,956	50,688	55,302	64,200	55,163	51,643	69,094
	Pounds.....	<i>1,024,261</i>	1,364,745	1,019,738	1,102,681	1,259,634	1,114,168	1,022,227	1,275,794
Russet, backs and sides.....	Number.....	<i>3,422</i>	28,510	6,451	4,680	4,793	5,149	4,918	5,126
	Pounds.....	<i>62,528</i>	433,113	74,577	67,137	72,321	78,164	88,045	100,576
Skirting and collar leather, sides.....	Number.....	<i>8,265</i>	5,561	5,402	5,074	6,399	5,563	4,845	6,050
	Pounds.....	<i>134,103</i>	68,263	72,153	72,228	91,265	78,800	71,708	84,949
Bag and strap leather, backs and sides.....	Number.....	12,446	8,007	4,421	5,123	7,479	13,120	18,786	21,764
	Pounds.....	159,928	122,759	71,690	77,128	109,854	193,318	274,505	328,575
Upholstery leather:									
Grains, whole hides.....	Number.....	<i>2,285</i>	3,360	5,099	4,718	4,542	8,753	7,628	9,520
	Square feet.....	<i>4,165</i>	4,910	15,170	13,826	14,182	9,708	10,775	13,682
Splits, whole hides.....	Number.....	391	68	74	62	147	5,348	211	163
	Pounds.....	5,173	1,491	785	715	1,569	32,508	3,371	1,945
Pig and hog leather, not elsewhere specified:									
Skins.....	Number.....	<i>2,075</i>	2,929	4,071	2,672	2,821	4,009	3,036	2,811
	Pounds.....	<i>8,489</i>	11,370	14,464	9,326	10,880	16,941	12,636	11,688
Strips.....	Pounds.....	<i>113,376</i>	180,816	185,081	195,751	145,369	739,018	498,050	593,369
Side leather, not elsewhere specified.....	Number.....	<i>26,072</i>	6,927	2,804	3,256	2,529	2,632	13,130	8,718
	Pounds.....	<i>411,894</i>	27,812	33,166	42,995	39,398	41,570	67,295	91,699
Rough leather:									
Butts.....	Number.....	2,874	5,422	3,346	5,033	4,084	5,097	2,338	2,060
	Pounds.....	53,375	92,867	62,393	179,803	74,491	101,621	61,269	51,414
Sides, backs, and bends.....	Number.....	3,100	945	2,715	12,783	15,401	12,488	5,811	15,620
	Pounds.....	<i>26,744</i>	13,758	32,079	181,124	216,469	172,952	88,683	247,217
Skins.....	Number.....	2	13,782	8	1	2,170	2,000	152	51
	Pounds.....	12	15,020	65	10	12,759	12,000	7,538	2,224
Other leather.....	Pounds.....	4,664,273	283,800	2,341,629	193,767	193,242	267,167	135,896	891,535
Furs and wooled skins.....	Number.....	4,804	38,855	4,595	4,353	10,402	14,975	6,091	5,630

TANNERS.³

	33	29	17	19	22	12	16	14
Number of establishments.....								
Sole leather, backs, bends, and sides.....	Number.....	75,853	2,550	600	300	626	20	16
	Pounds.....	1,594,172	51,000	15,000	6,600	15,238	414	317
Sole of all leather.....	Pounds.....	916,682	50,000	54,500	598,644	50,000	278,000	28
SHOE UPPER LEATHER (except patent), total ¹	Square feet.....	8 149,882	1,136 313	400,453	969,604	775,072	255,387	430,505
Cattle—								
Grains, sides.....	Number.....	189,146	12,549	3,200	4,558	20	60	60
	Square feet.....	2,834,633	149,517	45,000	49,768	360	954	954
Splits—								
Whole sides.....	Number.....	10,865	7,110	4,100	3,057	2,243	2,800	857
	Square feet.....	111,471	88,900	59,800	31,112	31,100	35,000	12,000
Butts.....	Number.....	190,827	27,528	.....	333	.....	.....	.....
	Square feet.....	1,141,727	82,584	.....	30,000	.....	.....	.....

¹ Does not include "All other" reported in pounds.

² Equivalent in square feet not reported.

³ Not including those reporting to the Tanners' Council.

LEATHER STATISTICS.

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TABLE I.—LEATHER STOCKS ON HAND AND IN TRANSIT IN THE UNITED STATES AT THE END OF EACH MONTH FROM MAY TO DECEMBER, AS REPORTED TO THE BUREAU OF THE CENSUS BY MANUFACTURERS OF BOOTS AND SHOES, CUT STOCK, HARNESS AND SADDLERY, GLOVES, AND OTHER LEATHER GOODS, AND BY DEALERS AND TANNERS (NOT REPORTING TO THE TANNERS' COUNCIL): 1918—Continued.

[The month of maximum number and quantity for each class and kind of leather is indicated by **boldface** figures and that of minimum by *italic* figures.]

		May 31.	JUNE 30.	July 31.	Aug. 31.	SEPT. 30.	Oct. 31.	Nov. 30.	DEC. 31.
TANNERS ² —Continued.									
SHOE UPPER LEATHER (except patent)—Continued.									
Horse—									
Fronts.....	Number.....	27,757	15,245	75	70	3			
	Square feet.....	321,151	150,209	1,800	1,400	85			
Butts.....	Number.....	52,172	35,521	8,640	8,640				
	Square feet.....	391,536	323,901	129,600	129,600				
Calf and kip, skins.....	Number.....	45,656	19,320	225	16,992	440	32,725	12	
	Square feet.....	496,524	237,028	3,400	239,100	5,560	261,684	167	
Sheep and lamb, skins.....	Number.....	70,688	16,508	17,628	43,872	18,478	12,044	10	25
	Square feet.....	549,052	102,265	118,039	322,761	120,397	75,417	58	118
Goat and kid, skins.....	Number.....	364,012		11,121	54,600	97,283	36,982	31,116	39,320
	Square feet.....	1,683,880		44,814	278,000	486,415	184,910	155,580	196,600
Cabretta, skins.....	Number.....	68,796							
	Square feet.....	430,563							
Kangaroo and wallaby, skins.....	Number.....	14,100							
	Square feet.....	76,375							
Deer and elk, skins.....	Number.....		238		12		8	3	
	Square feet.....		1,908		120		163	32	
All other ²	Pounds.....	2,000			23,988				
All other.....	Square feet.....	7,970			10,000	120			250,000
PATENT LEATHER (except upholstery), total.....	Square feet.....	2,073,718		20,800	81,692	15,808		16,000	
Cattle—									
Grains, sides.....	Number.....	113,459				592			
	Square feet.....	2,013,808				11,840			
Splits, sides.....	Number.....	2,464		1,300	5,312	248		1,000	
	Square feet.....	39,424		20,800	84,892	3,968		16,000	
Goat and kid, skins.....	Number.....	3,554							
	Square feet.....	15,385							
GLOVE LEATHER, total ¹	Square feet.....	1,143,952	2,039,117	1,506,681	888,670	1,234,884	613,138	1,518,212	950,052
Cattle—									
Grains, sides.....	Number.....	996	3,371						
	Square feet.....	14,004	52,603						
Splits, sides.....	Number.....	11,207	20,521	3,819	3,263	1,875	800		59,498
	Square feet.....	156,898	287,294	53,466	45,682	26,250	11,200		832,872
Horse—									
Fronts.....	Number.....	152	1,365	6,517		2,539	30		
	Square feet.....	2,439	17,499	147,844		40,764	450		
Butts.....	Number.....	1,723	2,162	10			1		
	Square feet.....	22,400	31,510	80			8		
Colt, ass, and mule, skins.....	Number.....	6							
	Square feet.....	50							
Calf and kip, skins.....	Number.....	1,962	4,656	1,174		23			160
	Square feet.....	17,188	42,258	15,200		205			600
Sheep and lamb, skins.....	Number.....	101,034	52,059	67,358	11,729	33,600	63,310	49,464	3,316
	Square feet.....	673,668	256,477	525,691	333,832	286,500	506,480	395,712	16,480
Goat and kid, skins.....	Number.....	21,730	11,124			31,373			
	Square feet.....	117,660	59,945			168,865			
Deer and elk, skins.....	Number.....	360	161,000	77,000	105	77,000	1,560	750	
	Square feet.....	5,437	1,290,000	654,000	1,156	694,000	12,000	7,500	
All other ²	Pounds.....					23,000			
All other.....	Square feet.....	134,258	1,481	70,460	8,000	20,600	83,000	1,115,000	100,000
FANCY LEATHER.....	Pounds.....	96	11,160	11,160		111			
Shearlings (tanned), skins.....	Number.....	100	350						
	Pounds.....	200	700						
Textile leather.....	Pounds.....	25,000							6,800
Belting leather, butts.....	Number.....	1,367	4,500			42	158	172	8,064
	Pounds.....	27,121	112,500			1,264	3,168	4,300	94,299
Harness leather:									
Black, backs and sides.....	Number.....	420	341		25	60	42		47
	Pounds.....	6,800	5,823		500	1,325	850		696
Russet, backs and sides.....	Number.....	225	61			25			20
	Pounds.....	3,850	1,218			625			200
Skirting and collar leather, sides.....	Number.....	275	3,700	3,320	3,320	4,207	13	5,777	2,296
	Pounds.....	4,000	55,750	49,800	49,805	42,295	200	88,660	34,400
Bag and strap leather, backs and sides.....	Number.....	50				10			4
	Pounds.....	250				150			48
Upholstery leather:									
Grains, whole hides.....	Number.....	2,000	1,877	40	1,825	1,514		27	23
Splits, whole hides.....	Number.....	8,008	10,167	525	13,370	17,979		12,171	8,661
Horse butts, not elsewhere specified.....	Number.....	10	160	130		6			
	Pounds.....	250	1,600	3,510		150			
Pig and hog leather, not elsewhere specified:									
Skins.....	Number.....	150							50
	Pounds.....	600							150
Strips.....	Pounds.....	5,696	40,000	38,000	40,000	35,000	36,000	37,000	40,000
Side leather, not elsewhere specified.....	Number.....	831	975	980	3,345	7,188		2,763	2,634
	Pounds.....	2,073	14,625	14,760	50,175	107,780		41,445	31,608
Rough leather:									
Butts.....	Number.....	369	58			50		3,200	
	Pounds.....	8,461	1,575			1,445		49,000	
Sides, backs, and bends.....	Number.....	142	524						
	Pounds.....	2,126	5,799						
Skins.....	Number.....	3,000							
	Pounds.....	9,000							
Other leather.....	Pounds.....		256,467	300,440		200,845	337,000	74,795	331,791
Furs and woolled skins.....	Number.....			9,850		150	95		

¹ Does not include "All other" reported in pounds.

² Equivalent in square feet not reported.

³ Not including those reporting to the Tanners' Council.

CENSUS OF WAR COMMODITIES.

TABLE II.—FINISHED LEATHER ON HAND AND IN TRANSIT AT THE END OF EACH MONTH FROM MAY TO DECEMBER, AS REPORTED TO THE BUREAU OF THE CENSUS AND TO THE TANNERS' COUNCIL: 1918.

KIND OF LEATHER.	QUANTITY REPORTED FOR—							
	May 31.	June 30.	July 31.	Aug. 31.	Sept. 30.	Oct. 31.	Nov. 30.	Dec. 31.
Goat and kid, skins.....	17,997,153	18,734,314	19,757,716	20,778,841	19,805,248	18,519,082	15,383,550	16,548,138
Bureau of the Census.....	8,432,350	8,754,150	9,782,528	10,696,943	9,638,808	8,768,758	8,055,558	9,058,850
Tanners' Council.....	9,564,803	9,980,164	9,975,188	10,081,898	10,166,440	9,750,324	7,327,992	7,489,288
Cabretta, skins.....	2,921,562	3,161,282	3,013,547	3,089,155	3,073,909	3,011,431	2,392,677	2,469,248
Bureau of the Census.....	1,291,366	1,542,722	1,496,799	1,573,765	1,602,241	1,602,241	1,510,305	1,540,727
Tanners' Council.....	1,630,196	1,618,560	1,560,563	1,592,356	1,500,144	1,409,190	882,372	928,521
Kangaroo and wallaby, skins.....	508,087	499,445	519,313	506,867	524,945	474,066	504,590	504,516
Bureau of the Census.....	249,373	242,055	259,968	286,024	314,242	275,569	317,234	320,871
Tanners' Council.....	258,714	257,390	259,345	220,843	210,703	198,497	187,356	183,645
Calf and kip, skins.....	5,196,901	5,268,155	5,316,227	5,681,666	5,842,630	5,203,498	5,077,075	5,024,629
Bureau of the Census.....	2,147,621	2,135,530	2,190,995	2,209,041	2,203,882	2,058,527	2,074,101	2,125,151
Tanners' Council.....	3,049,280	3,132,625	3,335,232	3,472,625	3,638,748	3,144,971	3,002,974	2,899,478
Deer and elk, skins.....	408,866	596,108	496,783	465,568	621,118	559,558	428,230	440,412
Bureau of the Census.....	200,913	393,686	298,381	283,954	385,359	365,866	318,478	337,453
Tanners' Council.....	207,953	202,422	198,402	181,614	235,759	193,692	109,752	102,959
Colt, ass, and mule, skins.....	98,263	55,503	88,445	142,531	144,178	130,153	122,647	184,554
Bureau of the Census.....	82,538	42,410	79,295	102,448	103,269	91,618	89,851	84,180
Tanners' Council.....	15,725	13,093	9,150	40,083	40,909	38,535	32,796	100,365
Horse fronts.....	650,154	782,922	711,572	633,511	647,971	603,291	574,688	601,852
Bureau of the Census.....	399,863	408,464	402,564	366,307	325,181	316,645	287,636	287,077
Tanners' Council.....	250,291	374,458	309,008	267,204	322,790	286,646	287,052	314,775
Horse butts.....	459,676	448,169	526,114	407,087	419,190	405,383	410,651	472,058
Bureau of the Census.....	283,221	314,024	309,849	264,857	252,842	252,522	252,276	284,326
Tanners' Council.....	176,455	134,145	216,265	142,230	166,348	152,861	158,375	187,732
Sheep and lamb, skins.....	9,496,976	9,411,330	9,059,245	9,846,050	9,188,110	9,565,361	7,794,742	9,215,330
Bureau of the Census.....	4,713,980	4,553,000	4,728,336	4,788,365	4,620,854	4,889,663	4,209,609	4,564,180
Tanners' Council.....	4,782,996	4,858,330	4,330,909	5,057,685	4,567,256	4,675,698	3,585,133	4,651,150
Shearlings, skins.....	83,384	124,241	248,650	178,332	255,496	264,151	352,943	273,671
Bureau of the Census.....	28,918	70,492	147,707	92,332	74,024	92,570	56,221	82,660
Tanners' Council.....	54,466	53,749	100,943	86,000	181,472	171,581	296,722	191,011
Skivers and fleshers, skins.....	945,171	1,132,636	1,126,088	909,082	881,808	593,850	750,555	1,007,339
Bureau of the Census.....	481,731	615,833	613,979	381,566	444,411	268,043	502,185	665,953
Tanners' Council.....	463,440	516,803	482,109	527,516	437,397	325,807	248,370	341,346
Side upper.....	5,367,302	5,203,148	5,700,814	5,802,681	6,031,909	5,346,338	5,167,619	5,380,054
Bureau of the Census.....	2,405,706	2,375,327	3,010,380	2,990,473	2,930,369	2,300,969	2,462,929	2,488,648
Tanners' Council.....	2,961,596	2,827,821	2,690,434	2,812,208	3,101,540	3,045,369	2,704,690	2,891,406
Splits.....	7,089,934	7,451,700	7,202,343	6,389,202	7,165,624	6,414,263	6,152,067	6,829,970
Bureau of the Census.....	1,872,635	2,114,164	2,399,258	1,805,850	1,809,171	1,549,741	1,872,935	2,206,926
Tanners' Council.....	5,217,299	5,337,536	4,803,085	4,583,352	5,356,453	4,864,522	4,279,872	4,623,044
Upholstery:								
Grains, whole hides.....	149,519	159,668	196,057	200,923	181,878	171,400	159,573	200,829
Bureau of the Census.....	95,191	105,712	143,113	149,958	151,592	135,338	121,700	149,865
Tanners' Council.....	54,328	53,956	52,944	50,965	30,286	36,062	38,073	50,964
Splits, whole hides.....	165,152	211,524	156,863	151,078	148,098	133,641	142,005	135,839
Bureau of the Census.....	99,677	140,444	101,553	73,205	104,533	102,388	105,741	83,837
Tanners' Council.....	65,475	71,080	55,310	77,873	43,565	31,253	36,264	52,002
Harness, bag and strap, sides and backs.....	828,693	907,506	853,427	850,815	1,004,863	991,743	1,006,162	1,128,606
Bureau of the Census.....	501,653	578,131	553,166	538,894	611,055	548,553	523,157	509,379
Tanners' Council.....	327,040	329,375	300,261	311,921	393,838	443,190	483,005	619,227
Skirting and collar, sides.....	176,683	178,269	328,511	191,526	190,964	208,461	242,396	236,818
Bureau of the Census.....	110,813	124,798	254,890	127,458	124,509	125,067	158,533	131,392
Tanners' Council.....	65,870	53,471	73,621	64,068	66,455	83,394	83,863	105,426
Glove, cattle, sides.....	32,567	48,027	52,464	61,578	79,235	99,914	93,116	97,413
Bureau of the Census.....	27,185	43,920	47,131	56,584	76,508	85,942	67,937	80,014
Tanners' Council.....	5,382	4,107	5,333	4,994	2,727	13,972	25,179	17,399
Chamois, skins.....	28,748	20,461	39,308	35,373	38,408	36,780	28,518	42,130
Bureau of the Census.....	28,328	17,567	36,146	30,424	34,337	31,193	22,950	36,612
Tanners' Council.....	420	2,894	3,162	4,949	4,071	5,587	5,588	5,518
Seal, skins.....	52,717	52,226	57,419	76,742	60,460	75,342	62,703	67,541
Bureau of the Census.....	44,819	51,446	56,500	69,980	58,201	60,392	60,172	65,421
Tanners' Council.....	7,898	780	919	6,762	2,259	14,950	2,531	2,120
Pig and hog, skins.....	90,813	101,865	107,804	103,434	86,922	109,354	85,102	97,531
Bureau of the Census.....	69,084	86,298	89,232	65,117	85,062	69,578	66,356	66,356
Tanners' Council.....	21,729	15,567	18,572	16,761	21,805	24,292	15,524	31,175
Belting, butts.....	435,216	407,045	466,639	416,588	406,390	421,636	396,234	447,521
Bureau of the Census.....	122,161	155,334	224,903	179,695	179,494	200,411	159,567	178,925
Tanners' Council.....	273,055	251,711	241,736	245,893	226,896	221,225	236,667	268,596
Sole leather, backs, bends, and sides.....	5,530,360	5,643,347	5,081,358	5,465,245	5,391,675	4,913,901	4,183,796	5,224,663
Bureau of the Census.....	1,227,132	1,438,570	1,784,503	1,711,731	1,945,769	1,991,895	1,770,853	2,286,993
Tanners' Council.....	4,303,228	4,204,777	3,296,855	3,753,514	3,445,906	2,922,006	2,412,943	2,937,670
Sole offal, pounds.....	71,650,428	76,632,109	78,034,083	93,861,820	101,891,988	110,643,116	94,614,539	96,320,993
Bureau of the Census.....	30,119,941	31,974,717	31,357,940	44,519,702	42,619,783	45,419,024	43,501,883	43,231,634
Tanners' Council.....	41,530,487	44,657,392	46,736,143	49,342,118	59,272,205	65,224,092	51,112,656	53,089,359

LEATHER STATISTICS.

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TABLE III.—BOOT AND SHOE CUT STOCK AND FINDINGS ON HAND AND IN TRANSIT, FOR EACH MONTH FROM MAY TO DECEMBER, AS REPORTED TO THE BUREAU OF THE CENSUS: 1918.

KIND.	QUANTITY REPORTED FOR—											
	May 31.			June 30.			July 31.			Aug. 31.		
	Total.	Men's, boys', and youths'.	Women's, misses', and children's.	Total.	Men's, boys', and youths'.	Women's, misses', and children's.	Total.	Men's, boys', and youths'.	Women's, misses', and children's.	Total.	Men's, boys', and youths'.	Women's, misses', and children's.
Leather:												
Outer soles—	<i>Pairs.</i>	<i>Pairs.</i>	<i>Pairs.</i>	<i>Pairs.</i>	<i>Pairs.</i>	<i>Pairs.</i>	<i>Pairs.</i>	<i>Pairs.</i>	<i>Pairs.</i>	<i>Pairs.</i>	<i>Pairs.</i>	<i>Pairs.</i>
9-iron and up.....	13,586,864	8,055,755	5,531,109	10,991,182	7,271,257	3,719,925	13,015,446	7,835,471	5,179,975	13,489,108	8,623,149	4,865,959
Under 9-iron.....	53,385,666	19,826,435	33,559,231	72,306,280	22,661,252	49,645,028	70,555,390	21,844,605	48,710,785	73,974,872	23,242,200	50,732,672
Half soles.....	15,837,129	9,472,241	6,364,888	21,197,355	13,050,048	8,147,307	17,140,322	8,895,686	8,244,636	36,817,577	14,827,566	21,990,011
Middle soles.....	7,619,865	4,851,996	2,767,869	5,961,526	4,516,950	1,444,576	6,343,382	4,381,757	1,961,625	6,157,421	4,500,761	1,656,660
Inner soles—												
Goodyear.....	7,950,958	3,691,345	4,259,613	10,328,077	6,122,542	5,205,535	10,906,349	5,770,289	5,136,060	13,258,648	7,943,761	5,314,887
Gem.....	11,164,531	5,427,977	5,736,554	11,806,178	6,967,033	4,839,145	11,609,130	6,178,106	5,431,024	11,602,299	6,605,546	4,996,753
McKay.....	17,492,682	5,005,798	12,486,884	15,852,211	4,316,393	11,535,818	18,456,834	4,748,296	13,708,538	18,854,135	5,410,223	13,443,912
Counters.....	39,253,387	16,629,510	22,623,877	48,702,119	22,345,606	26,356,513	50,356,960	22,099,999	28,256,961	52,889,632	24,143,881	28,745,751
Heels.....	15,425,269	6,845,241	8,580,028	24,866,173	10,135,406	14,730,767	22,043,973	9,674,046	12,369,927	21,008,448	9,364,492	11,643,956
Top pieces.....	31,693,918	14,861,178	16,832,740	31,196,420	13,948,841	17,247,579	34,077,017	13,681,812	20,395,205	35,034,366	16,380,548	18,653,818
Box toes.....	8,552,731	5,229,842	3,322,889	10,464,188	6,518,922	3,945,266	10,364,644	6,549,273	3,815,371	12,144,923	8,333,560	3,811,363
Rubber:												
Full soles.....	738,979	423,197	315,782	698,678	407,669	291,009	756,892	536,156	220,736	907,437	513,462	393,975
Half soles.....	306,932	215,924	91,008	281,741	205,871	75,870	396,579	222,170	174,409	256,863	169,474	87,389
Heels.....	11,420,526	7,412,580	4,007,946	10,337,361	6,356,552	3,980,809	11,351,121	7,168,686	4,182,435	12,075,105	7,471,060	4,604,045
Fiber:												
Soles.....	1,392,293	981,142	411,151	1,193,006	733,235	459,771	1,710,553	1,107,804	602,749	1,892,286	1,186,946	705,340
Counters.....	24,962,859	11,182,308	13,780,551	29,930,404	12,856,133	17,074,271	26,721,015	10,934,893	15,786,122	31,677,782	14,001,086	17,676,696
Other leather-substitute soles.....	673,967	543,508	130,459	418,638	90,269	328,369	430,301	100,119	330,182	370,305	110,860	259,445
Leather heel lifts.....	<i>Pounds.</i>	<i>Pounds.</i>	<i>Pounds.</i>	<i>Pounds.</i>	<i>Pounds.</i>	<i>Pounds.</i>	<i>Pounds.</i>	<i>Pounds.</i>	<i>Pounds.</i>	<i>Pounds.</i>	<i>Pounds.</i>	<i>Pounds.</i>
Leather tongues and stays ¹	6,159,828	3,050,008	3,109,820	6,540,303	3,538,324	3,001,979	14,579,396	11,116,479	3,462,917	7,618,433	4,491,036	3,127,397
All other cut stock.....	394,960	259,763	143,827	1,667,897	2,474,369	1,620,095	3,657,129	2,374,260	1,230,067	702,451	2,239,822	957,968
Welting ¹	<i>Yards.</i>	<i>Yards.</i>	<i>Yards.</i>	<i>Yards.</i>	<i>Yards.</i>	<i>Yards.</i>	<i>Yards.</i>	<i>Yards.</i>	<i>Yards.</i>	<i>Yards.</i>	<i>Yards.</i>	<i>Yards.</i>
Cotton lining ¹	19,698,209	.....	.....	21,100,509	.....	.....	21,267,132	.....	.....	19,854,779	.....	.....
Cloth and fabric for uppers ¹	16,436,363	.....	.....	16,696,722	.....	.....	17,344,673	.....	.....	18,770,584	.....	.....
	5,367,033	.....	.....	4,391,674	.....	.....	4,347,930	.....	.....	4,885,498	.....	.....

KIND.	QUANTITY REPORTED FOR—											
	Sept. 30.			Oct. 31.			Nov. 30.			Dec. 31.		
	Total.	Men's, boys', and youths'.	Women's, misses', and children's.	Total.	Men's, boys', and youths'.	Women's, misses', and children's.	Total.	Men's, boys', and youths'.	Women's, misses', and children's.	Total.	Men's, boys', and youths'.	Women's, misses', and children's.
Leather:												
Outer soles—	<i>Pairs.</i>	<i>Pairs.</i>	<i>Pairs.</i>	<i>Pairs.</i>	<i>Pairs.</i>	<i>Pairs.</i>	<i>Pairs.</i>	<i>Pairs.</i>	<i>Pairs.</i>	<i>Pairs.</i>	<i>Pairs.</i>	<i>Pairs.</i>
9-iron and up.....	12,846,107	8,801,762	4,044,345	12,470,084	8,391,779	4,078,305	13,961,580	9,780,823	4,180,757	13,790,329	9,414,434	4,375,895
Under 9-iron.....	72,623,006	23,347,794	49,275,212	71,734,172	21,365,256	50,368,916	63,233,241	25,647,546	37,585,695	67,842,377	20,761,559	47,080,818
Half soles.....	17,177,646	8,732,053	8,445,593	15,658,195	8,341,335	7,316,860	15,950,792	8,288,980	7,661,812	25,034,064	12,718,338	12,315,726
Middle soles.....	6,415,915	3,627,578	2,788,337	11,315,895	5,896,647	5,419,248	6,247,015	3,414,176	2,832,839	12,533,778	6,190,694	6,343,084
Inner soles—												
Goodyear.....	12,802,515	7,678,882	5,123,633	11,666,069	6,400,316	5,265,753	10,427,314	5,950,262	4,477,052	10,716,808	6,340,171	4,376,637
Gem.....	11,135,588	6,054,788	5,080,800	10,419,541	5,455,653	4,963,888	9,618,238	5,352,548	4,265,690	10,145,230	6,303,151	3,842,079
McKay.....	16,819,226	5,018,271	11,800,955	16,690,458	4,937,707	11,752,751	17,674,931	5,822,050	11,852,881	17,706,749	6,871,334	10,835,415
Counters.....	53,229,757	23,893,313	29,336,444	48,851,002	20,841,465	28,009,537	44,432,160	16,662,062	27,770,098	47,459,779	17,154,153	30,305,626
Heels.....	20,421,136	9,245,591	11,175,545	18,859,604	8,401,191	10,458,413	17,888,481	8,072,144	9,816,337	18,617,400	8,700,895	9,916,505
Top pieces.....	35,217,473	15,366,020	19,851,453	34,889,275	15,325,204	19,564,071	35,207,835	15,574,257	19,633,578	37,690,802	15,587,264	22,103,538
Box toes.....	12,142,885	8,017,023	4,125,862	10,606,848	6,321,548	4,285,300	8,563,286	4,711,668	3,851,618	9,396,146	5,033,508	4,362,638
Rubber:												
Full soles.....	867,667	488,786	378,881	920,008	466,743	453,265	922,939	467,718	455,221	969,058	487,977	481,081
Half soles.....	338,937	235,375	103,562	358,934	259,317	99,617	200,322	162,701	37,621	242,526	175,055	67,471
Heels.....	12,924,729	7,266,034	5,658,695	13,039,599	7,555,265	5,484,334	13,385,135	7,932,005	5,453,130	14,723,048	9,000,739	5,722,309
Fiber:												
Soles.....	1,715,033	1,193,531	521,502	1,924,659	1,250,256	674,403	1,910,331	1,318,877	591,454	1,884,030	1,307,515	576,515
Counters.....	28,642,196	12,673,532	15,968,664	27,967,654	12,750,185	15,217,469	29,041,069	13,062,690	15,978,379	32,929,084	14,513,717	18,415,367
Other leather-substitute soles.....	241,402	69,351	172,051	179,820	78,130	101,690	105,070	33,836	71,234	309,385	234,937	74,448
Leather heel lifts.....	<i>Pounds.</i>	<i>Pounds.</i>	<i>Pounds.</i>	<i>Pounds.</i>	<i>Pounds.</i>	<i>Pounds.</i>	<i>Pounds.</i>	<i>Pounds.</i>	<i>Pounds.</i>	<i>Pounds.</i>	<i>Pounds.</i>	<i>Pounds.</i>
Leather tongues and stays ¹	7,109,599	4,197,728	2,911,871	7,277,187	4,177,662	3,099,525	6,349,686	3,654,416	2,695,270	6,000,563	3,167,679	2,832,884
All other cut stock.....	728,175	1,755,098	824,315	670,962	1,763,427	521,331	834,950	1,386,618	861,960	1,307,159	1,675,296	1,387,396
Welting ¹	<i>Yards.</i>	<i>Yards.</i>	<i>Yards.</i>	<i>Yards.</i>	<i>Yards.</i>	<i>Yards.</i>	<i>Yards.</i>	<i>Yards.</i>	<i>Yards.</i>	<i>Yards.</i>	<i>Yards.</i>	<i>Yards.</i>
Cotton lining ¹	23,122,897	.....	.....	23,854,122	.....	.....	22,132,032	.....	.....	22,334,928	.....	.....
Cloth and fabric for uppers ¹	17,491,703	.....	.....	18,488,243	.....	.....	18,409,849	.....	.....	21,431,977	.....	.....
	4,533,901	.....	.....	4,667,313	.....	.....	4,318,324	.....	.....	4,458,122	.....	.....

¹ No segregation made between "Men's, boys', and youths'" and "Women's, misses', and children's."

CENSUS OF WAR COMMODITIES.

TABLE IV.—BOOTS AND SHOES AND LEATHER GOODS MANUFACTURED AND STOCKS ON HAND AND IN TRANSIT, AS REPORTED TO THE BUREAU OF THE CENSUS: 1918.

[The month of maximum stocks for each kind of manufactured leather is indicated by boldface figures.]

CLASS.	MANUFACTURED DURING MONTH OF—							STOCKS ON HAND, INCLUDING GOODS IN TRANSIT, AT THE END OF—						
	June.	July.	August.	September.	October.	November.	December.	June.	July.	August.	September.	October.	November.	December.
BOOTS AND SHOES.														
Military boots and shoes (for Government use):	Dozen pairs.	Dozen pairs.	Dozen pairs.	Dozen pairs.	Dozen pairs.	Dozen pairs.	Dozen pairs.	Dozen pairs.	Dozen pairs.	Dozen pairs.	Dozen pairs.	Dozen pairs.	Dozen pairs.	Dozen pairs.
Metallic fastened field boots....	127	373	1,841	594	165	6,798	1,199	517	696	790	1,328	940	1,839	1,018
Metallic fastened field shoes....	6,129	59,478	42,302	51,041	119,792	56,412	158,324	72	1,048	1,353	2,449	3,087	1,988	672
Velt fastened field shoes....	182,181	143,050	42,102	27,897	8,914	11,053	15,302	7,018	15,228	1,833	1,964	1,893	1,875	1,803
Velt unlined marching shoes....	90,175	71,927	19,462	11,338	3,538	447	5,907	3,811	2,731	2,842	2,530	2,581	2,309	2,152
Russet lined marching shoes....	7,071	6,571	500	99	.....	726	765	2,589	3,572	5,885	4,234	3,641	3,276	4,165
All other military shoes, including those for the Navy....	15,317	88,521	4,896	6,737	13,120	13,070	18,080	5,347	9,744	9,693	4,687	4,124	4,307	6,227
Leather putties.....	1,993	3,735	3,222	21,011	5,370	325	309	3,154	3,409	3,764	10,775	3,455	2,147	1,691
Civilian boots and shoes:														
Men's (sizes 5 to 11)—														
Unlined boots, shoes, and high cuts.....	327,772	227,582	198,827	192,439	216,109	198,907	227,793	478,468	578,091	555,722	461,361	500,769	452,961	517,384
Lined dress shoes.....	394,691	384,579	269,619	304,894	320,081	329,905	391,526	1,287,325	1,196,379	828,054	808,773	745,178	853,918	906,954
Lined dress oxford and low shoes.....	120,511	64,370	20,143	17,025	28,061	28,564	88,458	169,709	208,577	150,109	160,075	169,095	212,582	236,622
Youths' (sizes 12 to 2)—														
Unlined boots, shoes, and high cuts.....	15,297	17,397	28,304	22,878	28,901	19,596	27,434	47,435	72,205	59,575	80,452	61,156	59,997	64,061
Lined dress shoes.....	32,165	31,770	36,671	31,538	35,237	32,874	72,423	100,974	176,670	127,310	110,671	114,345	109,525	114,551
Dress shoes, fabric uppers....	4,429	1,206	3,501	4,282	8,337	2,179	5,328	10,479	3,858	2,086	27,550	6,494	3,012	29,767
Lined oxford and low shoes, oxford and low shoes, fabric uppers.....	123	875	663	216	992	17,758	7,509	5,771	12,039	7,493	6,560	7,566	6,342	7,698
Boys' (sizes 2½ to 5)—	581	596	.....	146	1,236	428	3,834	943	1,472	1,242	10,775	27,573	1,739	10,985
Unlined boots, shoes, and high cuts.....	47,485	38,377	36,639	31,002	35,948	31,270	44,413	181,631	148,752	102,318	8,342	100,209	98,014	82,596
Lined dress shoes.....	61,629	52,134	46,053	46,039	49,735	54,354	81,415	167,411	287,106	224,765	163,045	155,043	159,920	84,261
Lined dress oxford and low shoes.....	1,279	2,577	10,394	96	1,536	1,162	4,203	11,927	24,338	11,614	11,823	22,287	13,686	10,853
Women's (sizes 2½ to 9)—	196,755	179,756	181,719	108,715	207,226	209,344	327,670	417,373	568,971	399,834	429,848	481,499	526,637	653,998
Oxford and low shoes, fabric uppers.....	49,774	61,837	48,653	87,902	81,799	88,484	91,909	128,375	170,283	161,393	178,748	157,809	160,696	213,632
High cut, leather uppers.....	345,776	455,989	569,881	476,694	527,498	438,195	399,668	900,252	1,306,225	1,107,332	1,005,733	1,017,512	1,034,069	1,122,157
High cut, fabric uppers.....	100,889	121,120	144,863	110,553	163,435	116,983	94,141	215,348	290,047	303,971	271,640	289,638	284,203	298,042
Misses' (sizes 11 to 2)—														
Oxford and low shoes.....	13,823	32,668	29,892	22,951	51,867	54,187	64,180	60,706	96,790	61,319	67,919	89,859	90,071	106,477
High cut, leather uppers.....	103,689	105,308	122,761	116,115	104,821	130,481	113,719	234,067	350,023	241,845	317,727	254,317	242,152	255,190
High cut, fabric uppers.....	16,453	16,752	21,041	22,694	30,076	14,069	33,870	44,901	70,371	55,343	53,503	53,082	53,652	69,276
Children's (sizes 8 to 11)—	141,670	155,331	134,410	137,140	133,715	158,855	214,672	208,894	351,884	288,553	278,707	286,603	284,529	316,532
Infants' (sizes 4 to 8)—	160,167	181,190	174,613	148,070	171,592	177,159	228,343	317,383	488,901	408,392	391,796	408,152	404,722	507,972
Babies' (sizes 0 to 5)—	90,067	101,422	100,313	103,818	133,134	101,741	132,811	211,147	299,072	244,576	208,793	229,702	283,479	363,232
Sandals.....	8,527	83,277	4,757	12,691	15,073	13,711	37,929	26,531	149,314	36,691	36,458	39,906	43,874	59,273
Leather slippers:														
Men's.....	29,037	37,927	24,662	21,170	20,050	23,878	13,864	82,801	129,478	83,802	72,196	73,212	77,864	55,745
Women's.....	21,444	27,375	17,787	8,649	7,581	8,223	8,911	80,751	138,663	82,535	58,731	61,967	58,367	55,772
Children's.....	16,197	5,461	6,262	3,895	696	2,621	1,031	36,469	81,554	36,009	15,275	14,856	12,605	11,545
Athletic and sporting shoes:														
Men's.....	5,702	1,616	6,023	4,180	4,079	3,955	4,915	30,138	83,809	43,090	44,355	48,385	62,096	50,568
Youths'.....	492	545	334	573	194	394	226	9,510	19,123	12,941	10,520	15,012	16,222	12,673
Boys'.....	948	526	463	525	959	712	948	13,229	42,348	22,987	44,147	20,667	27,198	24,856
Women's.....	1,831	924	715	836	811	277	1,000	19,688	88,318	39,452	32,863	28,902	28,042	29,019
Children's.....	221	554	139	186	23	44	29	8,424	21,310	12,483	10,476	14,028	13,023	11,782
Leather putties (not military):														
Men's and women's.....	5,065	11,594	4,570	758	1,823	2,031	5,085	4,579	13,184	11,925	4,959	4,607	3,937	6,195
All other leather leggings.....	1,021	254	296	.....	28	.....	.....	1,187	2,558	2,627	10,463	1,888	878	1,486
GLOVES.														
Gauntlets.....	81,735	80,351	95,347	67,717	84,969	93,845	53,859	41,939	25,862	48,764	44,267	45,741	39,776	39,660
Men's work.....	73,658	149,715	122,473	92,130	117,418	145,243	167,883	43,546	74,938	60,727	48,871	56,013	63,239	62,239
Men's dress.....	42,914	44,200	72,995	40,656	59,995	63,033	51,532	117,028	56,417	143,383	124,670	92,591	132,976	118,987
Boys'.....	11,592	9,764	10,116	14,960	16,633	21,355	9,370	66,355	55,134	27,013	23,911	47,352	54,393	47,287
Women's.....	23,833	28,692	30,315	35,542	22,552	32,062	23,251	145,601	220,932	359,281	201,308	224,103	278,902	231,704
Children's.....	21,405	5,291	6,164	8,605	8,378	18,387	6,826	43,422	23,779	39,145	20,861	23,634	25,678	21,091
SADDLERY AND HARNESS.														
Cart.....	5,510	4,893	1,699	2,802	5,606	3,108	1,275	2,898	2,522	739	1,944	1,663	2,136	2,291
Farm.....	4,425	4,123	5,628	5,145	8,229	5,354	7,736	17,508	18,612	20,592	25,302	22,342	21,859	26,543
Wagon.....	3,850	3,016	3,371	4,850	5,142	5,572	3,877	8,532	10,523	10,893	9,982	11,696	9,438	9,493
Light driving.....	13,214	8,605	7,851	10,305	9,639	8,057	6,272	11,614	14,378	15,319	13,520	13,820	13,399	13,111
Military—														
Army escort.....	12,890	5,094	4,412	5,454	11,769	10,800	3,424	8,815	1,170	1,942	3,631	8,402	13,542	3,301
Army combat.....	6,988	5,100	10,186	4,482	4,050	5,600	7,850	1,002	2,415	1,505	2,218	2,000	4,310	10,550
Army artillery.....	3,690	3,738	5,210	7,728	13,348	7,990	7,823	1,189	3,018	3,052	6,492	11,460	4,470	7,370
Spare parts for military harness	113,514	209,353	247,936	134,040	80,125	34,968	131,857	20,762	71,394	37,670	47,896	9,008	2,953	49,128
Appliances.....	3,460	4,307	1,646	4,291	4,782	1,691	1,309	1,087	3,938	1,148	5,548	9,481	225	2,433
Saddles, riding.....	44,049	29,528	35,304	28,416	41,692	24,673	28,253	12,954	10,010	12,910	11,777	15,086	14,388	17,603
Horse and mule collars.....	104,495	117,328	92,417	96,784	90,308	88,508	81,854	225,301	247,385	277,037	268,202	260,163	245,664	247,593
Bridles, riding.....	41,900	2,692	7,950	9,269	22,561	18,723	6,539							

LEATHER STATISTICS.

19

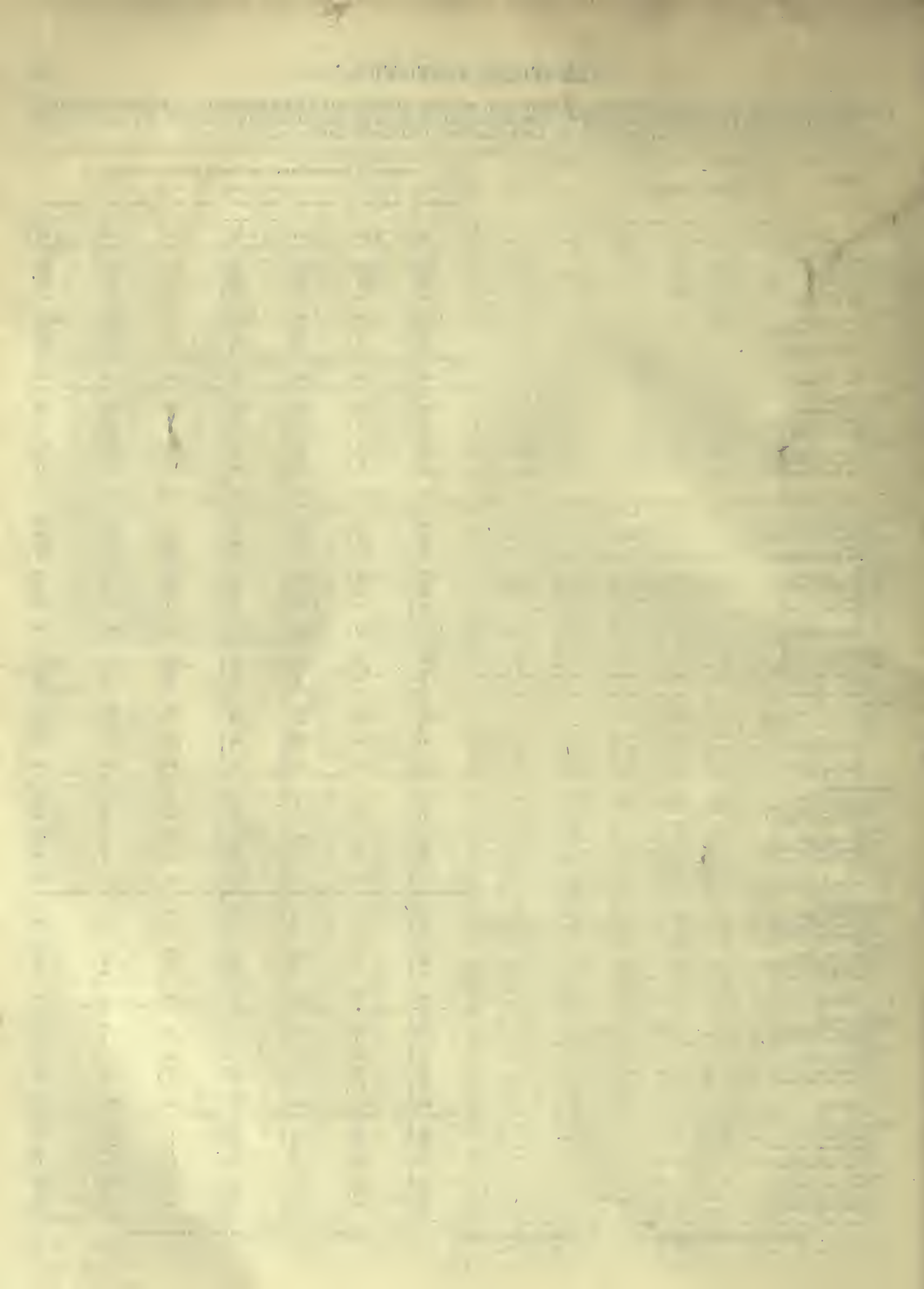
TABLE V.—NUMBER OF ESTABLISHMENTS REPORTING TO THE BUREAU OF THE CENSUS QUANTITIES OF BOOTS AND SHOES AND LEATHER GOODS MANUFACTURED AND STOCKS ON HAND AND IN TRANSIT, BY CLASSES OF MANUFACTURERS AND DEALERS AND BY GEOGRAPHIC DIVISIONS: 1918.

CLASS AND DIVISION.	NUMBER OF ESTABLISHMENTS REPORTING DURING 1918 FOR—						
	June 30.	July 31.	Aug. 31.	Sept. 30.	Oct. 31.	Nov. 30.	Dec. 31.
Total number.....	3,541	4,358	4,471	4,767	5,338	5,395	5,894
Manufacturers:							
Boots and shoes.....	643	730	719	732	834	828	879
Harness and saddlery.....	390	406	338	233	284	283	280
Gloves.....	156	195	176	176	179	192	196
Other leather goods.....	299	360	312	313	299	301	321
Dealers:							
Boots and shoes.....	1,293	1,706	1,987	2,333	2,732	2,694	2,934
Harness and saddlery.....	428	529	405	401	322	372	430
Gloves.....	12	14	15	12	11	15	22
Other leather goods.....	320	418	519	573	677	710	832
New England.....	480	560	637	717	801	809	897
Manufacturers:							
Boots and shoes.....	259	273	293	309	350	358	388
Harness and saddlery.....	17	19	14	12	11	9	9
Other leather goods ¹	41	60	58	55	51	50	52
Dealers:							
Boots and shoes.....	133	164	226	280	323	329	368
Harness and saddlery.....	9	17	7	9	9	8	9
Other leather goods ²	21	27	39	52	57	55	71
Middle Atlantic.....	891	1,277	1,181	1,144	1,357	1,336	1,438
Manufacturers:							
Boots and shoes.....	198	258	229	216	264	258	270
Harness and saddlery.....	56	72	53	28	29	25	26
Gloves.....	99	131	117	103	112	120	124
Other leather goods.....	139	171	135	136	135	136	147
Dealers:							
Boots and shoes.....	286	482	506	538	684	667	720
Harness and saddlery.....	65	82	43	35	34	35	38
Gloves.....	6	9	8	7	8	8	12
Other leather goods.....	42	72	90	81	91	87	101
North Central.....	1,289	1,609	1,565	1,685	1,822	1,982	2,102
Manufacturers:							
Boots and shoes.....	142	148	148	156	167	164	172
Harness and saddlery.....	184	198	169	113	140	162	150
Gloves.....	37	43	36	41	42	46	46
Other leather goods.....	84	91	77	80	81	85	87
Dealers:							
Boots and shoes.....	465	644	696	830	953	989	1,038
Harness and saddlery.....	232	288	225	221	172	222	254
Gloves.....	2	3	3	2	1	1	2
Other leather goods.....	143	194	211	242	266	314	353
South Atlantic.....	259	294	323	387	469	424	483
Manufacturers:							
Boots and shoes.....	15	16	17	20	21	18	20
Harness and saddlery.....	37	37	31	23	28	28	29
Other leather goods ¹	14	12	13	15	14	11	13
Dealers:							
Boots and shoes.....	155	174	211	261	312	275	315
Harness and saddlery.....	19	25	16	19	10	11	16
Other leather goods ²	19	30	35	49	84	81	90
South Central.....	256	277	338	350	387	358	427
Manufacturers:							
Boots and shoes.....	13	16	15	13	14	13	11
Harness and saddlery.....	47	41	40	30	39	30	32
Other leather goods.....	8	8	8	7	7	7	9
Dealers:							
Boots and shoes.....	105	114	156	186	196	185	225
Harness and saddlery.....	46	57	52	51	45	43	54
Other leather goods.....	37	41	67	63	86	80	96
Mountain.....	105	99	124	158	159	151	186
Manufacturers:							
Harness and saddlery.....	20	21	18	16	20	15	19
Other leather goods ³	4	1	4	3	2	1	2
Dealers:							
Boots and shoes.....	25	23	42	66	61	57	67
Harness and saddlery.....	28	30	24	36	29	26	30
Other leather goods ²	28	24	36	37	47	52	68
Pacific.....	261	242	303	326	343	335	361
Manufacturers:							
Boots and shoes.....	15	18	16	17	17	16	17
Harness and saddlery.....	29	18	13	11	17	14	15
Gloves.....	13	14	15	18	18	19	20
Other leather goods.....	17	25	26	26	17	19	18
Dealers:							
Boots and shoes.....	121	105	150	172	203	192	201
Harness and saddlery.....	23	30	38	30	23	27	21
Other leather goods.....	34	32	45	52	48	48	61

¹ Includes glove manufacturers.

² Includes glove dealers.

³ Includes boot and shoe and glove manufacturers.



DEPARTMENT OF COMMERCE

BUREAU OF THE CENSUS

SAM. L. ROGERS, DIRECTOR

CENSUS OF WAR COMMODITIES
1918

TEXTILE FIBERS
WOOL, SILK, JUTE, AND KAPOK

Prepared under the supervision of EUGENE F. HARTLEY, Chief Statistician for Manufactures

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WOOL, SILK, JUTE, AND KAPOK.

The Census Bureau at the request of the War Industries Board issued questionnaires concerning various commodities and raw materials, to ascertain the available stocks, data bearing upon consumption and products, and the machinery capacity of the country for textile production in certain cases.

This report gives the statistics thus collected for wool, silk, jute, and kapok.

WOOL.

The wool schedule required a statement of the equipment of the woolen mills of the country, as of July 1, 1918; the consumption of wool in the grease; the scoured wool equivalent; and the production of woolen goods for the years 1917, 1916, and 1915. (See schedule reproduced on p. 4.)

Schedules were mailed to manufacturers of woolen goods, carpets and rugs, hosiery and knit goods, and to wool scourers. The returns from 1,074 concerns were finally tabulated, 874 of these being from woolen goods manufacturers. Some reports covered the operations of more than one establishment, noticeably that of the American Woolen Co. which combined the reports of 52 establishments or plants. The totals, therefore, can not be shown by states or geographic divisions. While hosiery and knit goods manufacturers were sent schedules, only 84 of the returns received from these were finally tabulated as producing woolen products.

A difference between the schedules used for gathering the information required as a war measure and the schedule ordinarily used to collect statistics of wool

manufactures by the Census Bureau was that, at the instance of the War Boards, quantities of wool goods were required to be reported in linear yards rather than, as usually required, in square yards and no comparison can be made with former census figures.

A preliminary report was issued to the War Boards August 7, 1918. The final report was issued October 1, 1918. In the analysis of the returns, the Census Bureau had the benefit of the expert advice of Mr. William J. Battison, assistant secretary and statistician of the National Association of Wool Manufacturers, who has in recent census reports on wool manufactures assisted in the capacity of consulting expert.

Table 1 shows the total wool machinery available in the United States, as of July 1, 1918, by class and kind, including the number of knitting machines producing woolen goods.

Table 2 shows the consumption of wool in the grease and the scoured wool equivalent during the years 1917, 1916, and 1915, and the quantities of the various wool manufactures for the same years.

Table 1.—WOOL MACHINERY IN THE UNITED STATES, JULY 1, 1918.

CLASS OR KIND.	Number.	CLASS OR KIND.	Number.
Scouring machines.....	510	Looms:	
Cards:		Broad looms—50 inches or over, reed space.....	62,121
Woolen, sets.....	6,296	Narrow looms—under 50 inches, reed space.....	18,746
Worsted, sets.....	2,278	Number (included above) employed ordinarily on—	
Shoddy, sets.....	933	Worsted goods.....	42,448
Combs:		Woolen or mixed goods.....	34,137
English (or Bradford) system.....	1,912	Paper makers' felts (woven and felted).....	430
French system.....	435	Other goods—	
Shoddy pickers.....	1,057	Blankets.....	1,958
Garnet machines.....	432	Felts.....	56
Spindles:		Linings.....	86
Woolen.....	2,705,625	Plush.....	434
Worsted—		Shirting.....	301
English system.....	1,641,770	Press cloth.....	85
French system.....	699,404	Shawls.....	33
Twisting.....	737,784	Miscellaneous.....	96
Knitting machines:		Carpet and rug—	
Spring-beard needles—		Ingrain.....	858
Underwear.....	¹ 2,345	Broad ingrain.....	496
Knitted cloth.....	641	Smyrna.....	942
Lining for rubber goods.....	² 263	Tapestry Brussels.....	1,561
Miscellaneous goods.....	30	Tapestry velvet.....	1,199
Latch needle—		Body Brussels.....	442
Hosiery.....	³ 4,322	Wilton.....	1,727
Underwear.....	1,289	Axminster.....	2,428
Sweaters.....	736	Colonial or rag.....	756
Knit cloth.....	277	All other carpets.....	93
Gloves.....	50		
Miscellaneous.....	640		

¹ Includes 83 machines in establishments engaged primarily in the manufacture of woolen goods.

² Includes 117 machines in establishments engaged primarily in the manufacture of woolen goods.

³ Includes 158 machines in establishments engaged primarily in the manufacture of woolen goods.

TEXTILE FIBERS—WOOL.

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Table 2.—CONSUMPTION AND PRODUCTION OF WOOL: 1917, 1916, AND 1915.

	Unit of measure.	1917	1916	1915
CONSUMPTION.				
Wool in the grease.....	Pounds.....	768, 272, 175	725, 391, 207	615, 913, 757
Scoured wool (equivalent).....	Pounds.....	388, 399, 842	373, 619, 703	317, 317, 530
PRODUCTION.				
Carded wool from—				
Woolen cards.....	Pounds.....	436, 491, 776	409, 914, 495	380, 465, 448
Worsted cards.....	Pounds.....	242, 600, 650	241, 896, 058	209, 729, 057
Shoddy cards.....	Pounds.....	58, 262, 187	45, 325, 563	43, 104, 318
Tops from—				
English (or Bradford) system.....	Pounds.....	188, 262, 156	191, 616, 686	159, 954, 497
French system.....	Pounds.....	24, 649, 580	24, 478, 562	21, 310, 612
Recovered wool fiber from—				
Shoddy pickers.....	Pounds.....	171, 748, 296	148, 658, 808	157, 684, 150
Garnet machines.....	Pounds.....	50, 240, 395	45, 803, 725	41, 853, 937
Yarns from—				
Woolen spindles.....	Pounds.....	393, 546, 822	358, 220, 518	342, 382, 073
Worsted spindles—				
English system.....	Pounds.....	145, 991, 074	148, 807, 362	130, 471, 252
French system.....	Pounds.....	47, 701, 523	47, 415, 307	40, 543, 680
Twisting spindles.....	Pounds.....	97, 012, 911	100, 584, 543	93, 045, 627
Paper makers' felts (woven and felted).....	Pounds.....	9, 609, 523	7, 705, 159	6, 721, 931
Felts.....	Pounds.....	369, 519	330, 920	265, 741
Press cloth.....	Pounds.....	2, 287, 406	2, 222, 921	2, 350, 866
Shawls.....	Dozen.....	3, 800	4, 300	4, 700
Worsted or mixed worsted goods.....	Linear yards.....	271, 592, 072	271, 141, 884	220, 140, 558
Woolen or mixed goods.....	Linear yards.....	257, 001, 862	234, 580, 366	207, 975, 155
Blankets.....	Single.....	911, 504	648, 462	750, 764
Blankets.....	Pairs.....	1, 446, 937	1, 217, 520	1, 125, 801
Blankets.....	Pounds.....	2, 999, 043	2, 282, 168	2, 263, 815
Blankets (including horse).....	Linear yards.....	3, 740, 783	3, 180, 647	2, 739, 775
Linings.....	Linear yards.....	2, 933, 847	2, 379, 534	1, 938, 869
Plush.....	Linear yards.....	3, 975, 090	4, 329, 184	4, 698, 223
Shirting.....	Linear yards.....	885, 623	78, 200	128, 200
Other cloth.....	Linear yards.....	1, 548, 140	1, 335, 980	1, 251, 180
Carpets and rugs:				
Ingrain.....	Linear yards.....	2, 978, 693	3, 516, 126	3, 492, 222
Broad ingrain.....	Linear yards.....	3, 435, 500	3, 488, 905	3, 055, 516
Smyrna.....	Linear yards.....	1, 235, 057	1, 319, 483	1, 077, 704
Tapestry Brussels.....	Linear yards.....	17, 298, 797	22, 880, 697	19, 995, 826
Tapestry velvet.....	Linear yards.....	7, 859, 556	9, 481, 698	8, 414, 420
Body Brussels.....	Linear yards.....	1, 299, 769	2, 812, 502	3, 102, 287
Wilton.....	Linear yards.....	6, 570, 755	8, 491, 436	7, 299, 774
Axminster.....	Linear yards.....	16, 140, 217	20, 120, 069	19, 011, 582
Colonial or rag.....	Linear yards.....	2, 572, 347	2, 808, 914	2, 175, 532
All other carpets.....	Linear yards.....	550, 485	577, 122	575, 633
Hosiery and knit goods: ¹				
Produced by—				
Spring-beard needle—				
Underwear ²	Dozen.....	1, 664, 323	1, 598, 973	1, 542, 858
Underwear.....	Pounds.....	3, 972, 139	3, 429, 500	3, 049, 208
Knitted cloth.....	Pounds.....	8, 323, 664	8, 083, 811	7, 321, 584
Lining for rubber goods ³	Pounds.....	3, 052, 985	2, 984, 058	2, 787, 427
All other.....	Pounds.....	91, 875	92, 107	92, 000
Latch needle—				
Hosiery ⁴	Dozen.....	3, 979, 221	3, 972, 220	4, 585, 229
Underwear.....	Dozen.....	867, 401	842, 228	830, 254
Underwear.....	Pounds.....	3, 394, 507	2, 419, 564	2, 081, 275
Sweaters.....	Dozen.....	212, 265	197, 881	194, 031
Knit cloth.....	Pounds.....	3, 227, 165	2, 807, 838	2, 045, 056
Gloves.....	Dozen.....	95, 646	90, 733	75, 207
All other.....	Dozen.....	398, 875	351, 097	299, 317
All other.....	Pounds.....	225, 206	190, 000	190, 000

¹ In addition to products of this character made by establishments engaged primarily in the manufacture of woolen goods, the products of 84 establishments engaged exclusively in producing hosiery and knit goods are included.

² Includes 52,139 dozen in 1915, 65,135 dozen in 1916, and 75,259 dozen in 1917, the product of establishments engaged primarily in the manufacture of woolen goods.

³ Includes 1,438,556 pounds in 1915, 1,591,541 pounds in 1916, and 1,804,435 pounds in 1917, the product of establishments engaged primarily in the manufacture of woolen goods.

⁴ Includes 189,830 dozen in 1915, 182,157 dozen in 1916, and 198,644 dozen in 1917, the product of establishments engaged primarily in the manufacture of woolen goods.

CENSUS OF WAR COMMODITIES.

SCHEDULE USED TO SECURE STATISTICS OF WOOL.

CONFIDENTIAL—WAR MEASURE

D-4804

(YY8-561)

DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS
SAM. L. ROGERS, DIRECTORSTATISTICS OF WOOL MANUFACTURES
MACHINERY AND PRODUCTION

EUGENE F. HARTLEY

CHIEF STATISTICIAN FOR MANUFACTURES

NAME OF ESTABLISHMENT

LOCATION OF ESTABLISHMENT: State, City or town

ADDRESS OF GENERAL OFFICE

If a combined report, enumerate plants and establishments covered by this report.
NAMES AND ADDRESSES:

GENERAL DESIGNATION OF GOODS:

WASHINGTON, D. C., July 26, 1918.

A census of machinery used in wool manufactures and the production of wool manufactures in connection therewith, accurate data concerning which are absolutely necessary to the proper conduct and furtherance of the war, is authorized by the Secretary of Commerce under the provisions of section 2 of the organic act creating the Department of Commerce and Labor, as follows:

That the Secretary of Commerce * * * shall * * * from time to time make such special investigations and reports as he may be required to do by the President, or by either House of Congress, or which he himself may deem necessary and urgent.

And the special authority of the President of the United States, under date of April 8, 1918, as follows: "The Secretary of Commerce is hereby authorized to cause the compilation by the Bureau of the Census of such statistical data within its lawful scope and relating to the supply, production, and consumption of commodities as may be needed and be relied for by any branch of the Federal Government in connection with the conduct of the war."

Information regarding individual concerns will be kept strictly confidential, but aggregate statistics, from which individual figures can not be deduced, may be placed at the disposal of the trade.

Important.—The present war emergency demands the patriotic cooperation of all interests that centralized information may be available to permit immediate and complete use of all facilities, the conservation of raw materials and efficient distribution thereof. Accurate and prompt replies are imperative.

SAM. L. ROGERS,
Director of the Census

CERTIFICATE

This is to certify that the information contained in this schedule is complete and correct to the best of my knowledge and belief.

(Signature of person furnishing the information)

Date,, 1918.

(Official designation)

WOOL MACHINERY AND PRODUCTION.

EQUIPMENT: JULY 1, 1918.		PRODUCTION.		
CLASS OF WORK.		COMMODITY AND UNIT.	1915	1916
SCOURING MACHINES.....		Grease wool, pounds.....		
Cards:		Scoured wool, equivalent, pounds.....		
Woolen, sets (width.....)		Pounds.....		
Worsted (width.....)		Pounds.....		
Bloddy (width.....)		Pounds.....		
Combs:				
English (or Bradford) system.....		Top, pounds.....		
French system.....		Top, pounds.....		
Strippers:				
Woolen.....		Yarn, pounds.....		
Worsted—				
English system.....		Yarn, pounds.....		
French system.....		Yarn, pounds.....		
Twisting.....		Yarn, pounds.....		
Looms:				
Broad looms—60 inches or over, round space.....		X X X.....		
Narrow looms—Under 60 inches, round space.....		X X X.....		
Number (included above) employed ordinarily on:				
Worsted goods.....		Linear yards.....		
Woolen or mixed goods.....		Linear yards.....		
Other goods (state kind).....		Linear yards.....		
Paper makers' felt (woven and felted).....		Pounds.....		
.....		Linear yards.....		
Carpet and rug—				
Tapestry.....		Linear yards.....		
Broad ingrain.....		Linear yards.....		
Venetian.....		Linear yards.....		
Tapestry Brussels.....		Linear yards.....		
Tapestry velvet.....		Linear yards.....		
Tudy Brussels.....		Linear yards.....		
Wilton.....		Linear yards.....		
Asseliner.....		Linear yards.....		
Mouquette.....		Linear yards.....		
Smyrna.....		Linear yards.....		
Colonial or rag.....		Linear yards.....		
Sheddy pickaxe.....		Pounds.....		
Greatest machines.....		Pounds.....		
.....		Name commodity and unit.....		
Knitting machines:				
Spring-board needle.....				
Latch needle.....				

SILK.

The statistics for silk are based upon 60 returns made by dealers and jobbers, 132 made by throwsters or establishments engaged in the manufacture of organzine or tram, chiefly on a commission or contract basis, and 1,396 returns from manufacturers of finished silk products—a total of 1,588 establishments.

Stocks were reported as of date June 1, 1918, and embraced those on hand, in transit within the United States and Canada, afloat or on the high seas, and stocks owned abroad but not yet placed aboard vessels for transportation. The inquiry in regard to consumption called for a report of the quantities consumed during the first portion of the year 1918—January 1 to May 31—and estimated requirements for the balance of the year, and consumption figures for the calendar years 1917, 1916, and 1915. The schedule (reproduced on p. 10) contained inquiries in regard to production of organzine, tram, spun silk, and silk wastes in 1917, 1916, and 1915, and machinery equipment on June 1, 1918.

With respect to production, many of the returns are defective. Statistics based upon them would be misleading and they have not been included in this report.

The schedule also contained an inquiry in regard to consumption of logwood dyes, for the year 1917 and the first portion of 1918, and requirements for the balance of the year. The statistics therefor are here given, but they are not to be taken as representing the

total consumption of logwood dyes in the silk industry. The dyeing and finishing of textiles is to a large extent done in independent establishments and the figures here given relate only to consumption by silk mills operating dyeing and finishing departments.

A graphic presentation of the statistics precedes the tables and the schedule follows.

Table 3 presents in detail the statistics for stocks of silk and artificial silk on June 1, 1918.

Table 4 shows the imports of silk for the fiscal years ending June 30, 1918, 1917, 1916, and 1915.

Table 5 gives in detail the statistics for consumption of silk, artificial silk, and of logwood dyes in silk mills for the calendar years 1918, 1917, 1916, and 1915. The statistics for 1918 comprise actual consumption during the period January 1 to May 31 and estimated requirements for the remainder of the year, June 1 to December 31.

Table 6 shows the equipment of the silk mills in spindles, cards, dressing machines, looms, and Jacquard machines on June 1, 1918, with segregation of idle equipment and distribution of active equipment to show that employed on military or naval orders.

The following tabular statement shows the statistics for equipment of June 1, 1918, in comparison with that reported for the Census of Manufactures, 1914 and 1909:

EQUIPMENT.	1918 (June 1).	1914 (Dec. 31).	1909 (Dec. 31).	PER CENT OF INCREASE. ¹	
				1914-1918	1909-1914
SPINDLES.....	2, 939, 797	2, 808, 702	2, 415, 527	4. 7	16. 3
Throwing, winding spindles.....	698, 682	677, 960	637, 565	3. 1	6. 3
Spinning and twisting.....	2, 072, 331	2, 023, 491	1, 647, 415	2. 4	22. 8
Spun silk, spinning.....	147, 974	107, 251	130, 547	57. 4	-17. 8
Noil yarn, spinning.....	20, 810				
LOOMS.....	105, 087	85, 058	75, 406	23. 5	12. 8
Other than velvet and ribbon:					
Over 40-inch reed space.....	62, 591	44, 549	35, 214	40. 5	26. 5
40-inch or under reed space.....	26, 425	26, 431	28, 426	.....	-7. 0
Velvet looms.....	3, 963	2, 524	1, 196	57. 0	111. 0
Ribbon looms.....	12, 108	11, 554	10, 570	4. 7	9. 3
JACQUARD MACHINES.....	11, 762	6, 826	8, 985	.....	.....

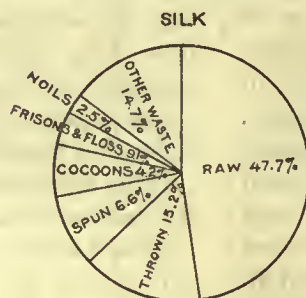
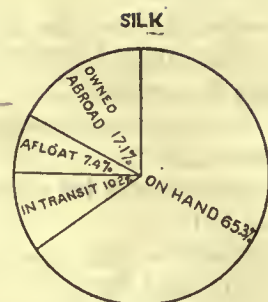
¹ A minus sign (—) denotes decrease.

CENSUS OF WAR COMMODITIES.

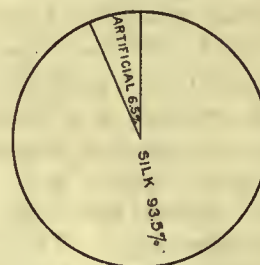
STOCKS, JUNE 1, 1918; CONSUMPTION, 1918, 1917, 1916, AND 1915.

Stocks, June 1, 1918:

Silk 24,864,963 pounds
 Artificial silk 1,737,583 "
 Combined . . 26,602,546 "



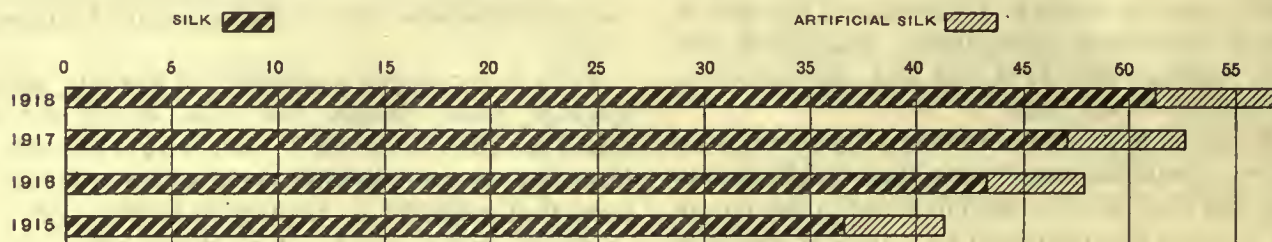
SILK AND ARTIFICIAL SILK



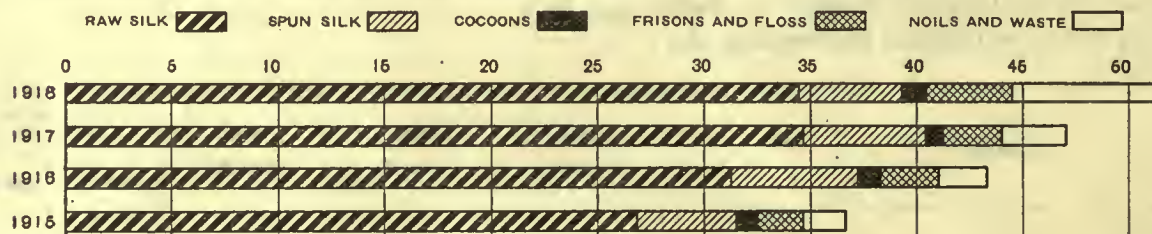
CONSUMPTION, 1918, 1917, 1916 AND 1915

MILLIONS OF POUNDS

SILK AND ARTIFICIAL SILK



SILK



Consumption--pounds.

	1918	1917	1916	1915
Silk.	51,335,502	47,138,508	43,305,056	36,633,101
Raw silk.	34,470,411	34,772,477	31,280,508	26,820,403
Spun silk	4,835,174	5,481,883	5,989,583	4,724,117
Cocoons	1,103,219	1,001,450	1,099,826	931,872
Frisons and floss . . .	4,005,053	2,746,193	2,640,420	2,171,715
Noils and waste	6,921,645	3,136,505	2,294,719	1,984,994
Artificial silk	5,801,038	5,619,730	4,645,607	4,683,543

TEXTILE FIBERS—SILK.

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Table 3.—DETAIL STATISTICS FOR STOCKS OF SILK AND ARTIFICIAL SILK ON JUNE 1, 1918.

	Number of establish- ments.	TOTAL.		On hand (pounds).	In transit (pounds).	Afloat (pounds).	Owned abroad (pounds).
		Pounds.	Per cent distribu- tion.				
Silk, total.....	1,588	24,864,963	100.0	16,235,878	2,527,822	2,034,663	4,066,600
Raw silk.....		11,863,177	47.7	7,420,673	1,448,816	1,258,145	1,735,543
Thrown silk.....		3,770,545	15.2	3,454,514	274,656	20,275	21,100
Spun silk (including schappe).....		1,638,641	6.6	1,384,642	130,270	121,509	2,220
Pierced cocoons.....		1,036,824	4.2	663,157	16,667	55,800	301,200
Frisons and floss.....		2,269,571	9.1	1,131,472	262,502	204,810	670,787
Noils.....		622,799	2.5	545,188	55,211		22,400
Other waste.....		3,663,406	14.7	1,636,232	339,700	374,124	1,313,350
Artificial silk.....	395	1,737,583	100.0	1,537,760	122,143	5,890	71,790
Dealers and jobbers.....	19	149,655	8.6	62,265	15,400	200	71,790
Manufacturers.....	376	1,587,928	91.4	1,475,495	106,743	5,690	
SILK.							
Dealers and jobbers.....	60	3,326,856	13.4	2,183,180	192,928	441,262	509,486
Raw silk.....		3,070,349		2,010,389	148,693	440,381	470,886
All other.....		256,507		172,791	44,235	881	38,600
By states:							
New York.....	38	3,140,229	12.6	2,078,353	149,728	441,262	470,886
New Jersey.....	8	18,908	0.1	18,908			
Massachusetts.....	7	118,126	0.5	65,126	43,000		10,000
Pennsylvania, Connecticut, and California.....	7	49,593	0.2	20,793	200		28,600
Throwsters.....	132	2,228,047	9.0	1,706,138	129,359	79,550	313,000
Raw silk.....		2,052,281		1,541,934	117,797	79,550	313,000
All other.....		175,766		164,204	11,562		
By states:							
Pennsylvania.....	90	893,851	3.6	839,041	54,810		
New Jersey.....	27	455,785	1.8	453,085	2,700		
New York.....	7	142,157	0.6	120,116	11,491	10,550	
All other states.....	8	736,254	3.0	293,896	60,358	69,000	313,000
Manufacturers (other than throwsters).....	1,396	19,310,060	77.6	12,346,560	2,205,533	1,513,851	3,244,114
Raw silk.....		6,740,547		3,868,350	1,182,326	738,214	951,657
Thrown silk.....		3,621,515		3,314,846	265,294	20,275	21,100
Spun silk.....		1,623,431		1,370,513	130,070	120,628	2,220
Pierced cocoons.....		1,032,824		659,157	16,667	55,800	301,200
Frisons and floss.....		2,262,471		1,124,372	262,502	204,810	670,787
Noils.....		481,191		471,180	10,011		
Other waste.....		3,548,081		1,538,142	338,665	374,124	1,297,150
By states:							
New Jersey.....	432	4,390,747	17.6	2,942,865	452,288	683,494	312,100
Paterson.....	323	1,203,857	4.8	1,030,363	122,409	36,985	14,100
Balance of state.....	109	3,186,890	12.8	1,912,502	329,879	646,509	298,000
Pennsylvania.....	373	5,743,118	23.1	3,668,938	814,619	275,008	984,553
New York.....	260	3,511,188	14.1	1,513,724	474,656	81,997	1,440,811
Massachusetts.....	104	2,221,078	8.9	1,170,177	112,292	446,459	492,150
Connecticut.....	53	1,952,804	7.9	1,713,114	199,697	25,493	14,500
Rhode Island.....	53	1,209,322	4.9	1,087,523	121,799		
Ohio.....	26	2,633	(¹)	2,633			
Illinois.....	24	91,256	0.4	81,390	9,866		
Tennessee.....	11	5,882	(¹)	2,670	3,212		
New Hampshire.....	9	51,272	0.2	48,454	2,818		
Wisconsin.....	9	34,835	0.2	34,171	664		
California.....	8	268	(¹)	268			
Maine.....	5	1,921	(¹)	1,651	270		
Michigan.....	4	5,937	(¹)	5,541	396		
Virginia.....	4	10,175	(¹)	9,446	729		
All other states.....	21	77,624	0.3	63,995	12,229	1,400	

¹ Less than one-tenth of 1 per cent.

CENSUS OF WAR COMMODITIES.

Table 4.—IMPORTS OF SILK FOR THE FISCAL YEARS ENDING JUNE 30, 1918, 1917, 1916, AND 1915.

	1918	1917	1916	1915	PER CENT OF INCREASE. ¹		
					1917-1918	1916-1917	1915-1916
Total unmanufactured silk:							
Pounds.....	43, 282, 366	40, 351, 423	41, 925, 297	31, 052, 674	7. 3	3. 8	35. 0
Value.....	\$188, 454, 812	\$160, 571, 807	\$124, 333, 655	\$83, 130, 557	17. 4	29. 1	49. 6
RAW SILK:							
Pounds.....	34, 447, 575	33, 868, 885	33, 070, 902	26, 030, 925	1. 7	2. 4	27. 0
Imported from—							
Japan.....	28, 371, 063	26, 341, 833	22, 914, 898	18, 217, 083	7. 7	15. 0	25. 8
China.....	6, 059, 089	7, 006, 700	7, 419, 616	5, 097, 169	-13. 5	-5. 6	45. 6
Italy.....	7, 309	467, 405	2, 545, 845	2, 610, 570	-98. 4	-81. 6	-2. 5
France.....	5, 673	35, 767	127, 076	49, 843	-84. 1	-71. 9	155. 0
All other countries.....	4, 441	17, 180	63, 467	56, 260	-74. 2	-72. 9	12. 8
Value.....	\$180, 906, 287	\$156, 085, 649	\$119, 484, 223	\$80, 531, 785	15. 9	30. 6	48. 4
COCOONS:							
Pounds.....	251, 447	62, 056	197, 073	51, 495	305. 2	-68. 5	282. 7
Value.....	\$319, 349	\$54, 994	\$142, 743	\$35, 114	480. 7	-61. 5	306. 5
WASTE:							
Pounds.....	8, 583, 344	6, 420, 482	8, 657, 322	4, 970, 254	33. 7	-25. 1	74. 1
Value.....	\$7, 229, 176	\$4, 431, 164	\$4, 706, 689	\$2, 563, 658	63. 1	-5. 9	83. 6

¹ A minus sign (—) denotes decrease.

Table 5.—CONSUMPTION OF SILK, ARTIFICIAL SILK, AND LOGWOOD DYES FOR THE CALENDAR YEARS 1918, 1917, 1916, AND 1915.

	Number of establishments.	1918			1917	1916	1915	PER CENT OF INCREASE. ¹		
		Total.	Jan. 1-May 31.	Estimated requirements June 1-Dec. 31.				1917-1918	1916-1917	1915-1916
		Pounds.	Pounds.	Pounds.	Pounds.	Pounds.	Pounds.			
SILK.....	1, 528	51, 335, 502	21, 298, 502	30, 037, 000	47, 138, 508	43, 305, 056	36, 633, 101	8. 9	8. 8	18. 2
Raw silk.....		34, 470, 411	14, 608, 411	19, 862, 000	34, 772, 477	31, 280, 508	26, 820, 403	-0. 9	11. 2	16. 6
Spun silk.....		4, 835, 174	1, 966, 174	2, 869, 000	5, 481, 883	5, 989, 583	4, 724, 117	-17. 2	-2. 5	26. 8
Pierced cocoons.....		1, 103, 219	455, 219	648, 000	1, 001, 450	1, 099, 826	931, 872	10. 2	-8. 9	18. 0
Frisons and floss.....		4, 005, 053	1, 873, 053	2, 132, 000	2, 746, 193	2, 640, 420	2, 171, 715	45. 8	4. 0	21. 6
Noils and other waste.....		6, 921, 645	2, 395, 645	4, 526, 000	3, 136, 505	2, 294, 719	1, 984, 994	120. 7	36. 7	21. 7
ARTIFICIAL SILK.....	376	5, 801, 038	2, 547, 038	3, 254, 000	5, 619, 730	4, 645, 607	4, 683, 543	3. 2	21. 0	-0. 8
LOGWOOD DYES (consumption by silk mills):										
In form of logwood.....	9	649, 325	322, 725	326, 600	1, 025, 239	.....	.....	-37. 3	.....	.....
In form of extracts.....	104	3, 865, 032	1, 549, 632	2, 315, 400	4, 878, 313	.....	.....	-20. 8	.....	.....
Paste.....		2, 264, 874	1, 028, 874	1, 236, 000	2, 914, 788	.....	.....	-22. 3	.....	.....
Crystal.....		46, 287	23, 887	22, 400	82, 222	.....	.....	-43. 7	.....	.....
Other.....		1, 553, 871	496, 871	1, 057, 000	1, 881, 303			-17. 4		

¹ A minus sign (—) denotes decrease.

TEXTILE FIBERS—SILK.

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Table 6.—MACHINERY EQUIPMENT OF SILK MILLS ON JUNE 1, 1918.

KIND.	Total number.	NUMBER ENGAGED ON—		Idle.	PER CENT OF TOTAL.		
		Military and naval orders.	Other work or orders.		Military and naval.	Other.	Idle.
SPINDLES.....	2, 939, 797	204, 032	2, 539, 617	196, 148	6. 9	86. 5	6. 6
Throwing, winding spindles (raw silk only)....	698, 682	24, 567	622, 792	51, 323	3. 5	89. 2	7. 3
Spinning and twisting.....	2, 072, 331	106, 387	1, 840, 258	125, 686	5. 1	88. 8	6. 1
Spun silk, spinning.....	147, 974	68, 316	62, 469	17, 189	46. 6	41. 8	11. 6
Noil yarn, spinning.....	20, 810	4, 762	14, 098	1, 950	22. 9	67. 7	9. 4
Throwsters.....	1, 427, 032	29, 839	1, 345, 997	51, 196	2. 1	94. 3	3. 6
Throwing, winding spindles.....	345, 062	4, 409	326, 707	13, 946	1. 3	94. 7	4. 0
Spinning and twisting.....	1, 070, 114	24, 740	1, 010, 274	35, 100	2. 3	94. 4	3. 3
Other.....	11, 856	690	9, 016	2, 150	5. 8	76. 1	18. 1
Manufacturers (other than throwsters).....	1, 512, 765	174, 193	1, 193, 620	144, 952	11. 5	78. 9	9. 6
Throwing, winding spindles.....	353, 620	20, 158	296, 085	37, 377	5. 7	83. 7	10. 6
Spinning and twisting.....	1, 002, 217	81, 647	829, 984	90, 586	8. 1	82. 9	9. 0
Spun silk.....	145, 774	68, 316	60, 469	16, 989	46. 9	41. 4	11. 7
Noil yarn, spinning.....	11, 154	4, 072	7, 082	.....	36. 5	63. 5	.....
By states (total):							
Connecticut.....	134, 481	22, 860	97, 097	14, 524	17. 0	72. 2	10. 8
Massachusetts.....	240, 247	36, 557	177, 072	26, 618	15. 2	73. 7	11. 1
Maryland.....	14, 376	.....	12, 636	1, 740	.....	87. 9	12. 1
New Jersey.....	493, 141	9, 051	453, 382	30, 708	1. 8	92. 0	6. 2
New York.....	297, 134	14, 455	268, 566	14, 113	4. 9	90. 3	4. 8
Pennsylvania.....	1, 622, 806	80, 661	1, 444, 510	97, 635	4. 0	90. 0	6. 0
Rhode Island.....	54, 124	35, 168	18, 826	130	65. 0	34. 7	0. 3
All other.....	83, 488	5, 280	67, 528	10, 680	6. 3	80. 9	12. 8
CARDS.....	70, 130	79	70, 051	.....	0. 1	99. 9	.....
DRESSING MACHINES.....	2, 784	1, 320	1, 224	240	47. 4	44. 0	8. 6
LOOMS.....	105, 087	4, 003	81, 300	19, 784	3. 8	77. 4	18. 8
Other than velvet and ribbon.....	89, 016	2, 930	70, 585	15, 501	3. 3	79. 3	17. 4
Over 40-inch reed space.....	62, 591	2, 022	50, 959	9, 610	3. 2	81. 5	15. 3
40-inch or under reed space.....	26, 425	908	19, 626	5, 891	3. 4	74. 3	22. 3
Velvet looms.....	3, 963	538	3, 050	375	13. 6	76. 9	9. 5
Ribbon looms.....	12, 108	535	7, 665	3, 908	4. 4	63. 3	32. 3
By states:							
Connecticut.....	6, 155	794	4, 354	1, 007	12. 9	70. 7	16. 4
Massachusetts.....	9, 579	139	7, 548	1, 892	1. 5	78. 7	19. 8
New Jersey.....	38, 313	306	30, 980	7, 027	0. 8	80. 9	18. 3
New York.....	8, 835	342	6, 724	1, 769	3. 9	76. 1	20. 0
Pennsylvania.....	34, 523	1, 695	26, 131	6, 697	4. 9	75. 7	19. 4
Rhode Island.....	5, 101	413	3, 999	689	8. 1	78. 4	13. 5
All other.....	2, 581	314	1, 564	703	12. 2	60. 6	27. 2
JACQUARD MACHINES.....	11, 672	46	7, 685	3, 941	0. 4	65. 8	33. 8
Attached (Jacquard looms included above)....	8, 939	46	7, 286	1, 607	0. 5	81. 5	18. 0
Detached or disconnected.....	2, 733	.....	399	2, 334	.....	14. 6	85. 4

CONFIDENTIAL—WAR MEASURE

2. **Stocks on Hand as in Transit June 1, 1916.**

a. **STOCKS ON HAND.**—State in column (A) stocks on hand in your own factories, warehouses, storerooms, and other places occupied or rented by you in the United States and Canada. State quantity actually in your possession whenever you have title to it or not.

b. **STOCKS IN TRANSIT.**—State in column (B) stocks in transit to you from plants within the United States or Canada. In this column should be included stocks on docks, in customs warehouses, or in the possession of railroads or other carriers within the United States or Canada. Do not include stocks in transit to you but which have been sold, as they will be reported by the purchaser.

c. **STOCKS AFLOAT.**—State in column (C) stocks at present in transit to you from foreign countries other than Canada, but not yet arrived in the United States or Canada, viz., stocks on the high seas. Do not include stocks about to you which have been sold, as they will be reported by the purchaser.

d. **STOCKS OWNED ABROAD.**—State in column (D) stocks owned by you in foreign countries which have as yet not been placed aboard vessels for transportation to the United States or Canada. Do not include stocks owned in Canada.

Designation	(A) Stocks on hand	(B) Stocks in transit	(C) Stocks afloat.	(D). Stocks owned abroad.
(Quantities to be given in pounds.)				
Raw silk				
Thrown silk				
Spun silk (including schappe)				
Worsted				
Woolen and floss				
Wool				
All other wools				
Artificial silk				

* State the foreign countries.

Remarks

IV. Production.
 State quantities of the following manufactures and by-products produced during the indicated periods (whether sold, vendid, or used in further processes of manufacture). Report on of your own the quantities of products and by-product is made on commission or contract by other establishments from materials furnished by you. Those and other establishments doing work on contract or commission should not report the products and by-products made from materials furnished them. They should, however, report the products and by-products made from materials supplied by themselves

Description.	Calendar year 1915.	Calendar year 1916.	Calendar year 1917.
	(Quantities in pounds or in pounds.)		
Organizes			
Tram			
Spun silk			
Silk waste—Nails			
Silk waste—Throaters' wastes			
All other silk waste			

V. Machinery as of June 1, 1916.
 State the total number of spindles, cards, dressing machines, looms and Jacquard machines in establishments covered by this report.
 State number engaged in military and naval orders (direct contract or subcontract), the number engaged on other work or orders, and the number idle.

Class.	Total number.	Number engaged on—		Idle.
		Military and Naval orders.	Other work or orders.	
SPINDLES:				
Throwing, winding spindles (raw silk only)				
Spinning and twisting				
Spun silk, spinning (spun silk from waste)				
Wool yarn spinning				
Total spindles				
CARDS:				
DRESSING MACHINES:				
LOOMS:				
Other than velvet and ribbon looms. 40-inch or under reed space				
Over 40-inch reed space				
Velvet looms				
Ribbon looms				
Total looms				
JACQUARD MACHINES:				
Attached (Jacquard looms included above)				
Detached or disconnected				

JUTE.

The statistics for jute are based upon the returns received from 3,473 establishments and include practically all those engaged in the jute trade or industry. Of these, 554 are importers, exporters, dealers, or manufacturers of products composed wholly of jute fiber, and 2,919 are consumers of jute products as wrappers or containers for merchandise, or manufacturers using small quantities of jute in manufacture in conjunction with other materials. The former group was thoroughly canvassed and the latter, which embraces a large number in diversified industries, as extensively as possible. In the aggregate, 11,490 establishments were circularized.

Stocks were reported as of date June 1, 1918, and embraced those on hand, in transit in the United States, afloat or on the high seas, and stocks owned abroad but not yet placed aboard vessels for transportation to the United States.

The inquiry in regard to consumption called for a report of the quantities of jute and burlap consumed in manufacture during the calendar year 1917, the period January 1 to May 31, 1918, and the estimated future consumption for the period June 1 to December 31, 1918. With respect to production the schedule asked for the quantities of bagging for covering cotton, burlap, and jute bags made or to be made during the aforesaid periods. The production statistics here given are confined to jute bags. The figures for bagging and burlap are not shown, to avoid disclosure of individual operations.

The schedule (reproduced on p. 14) also called for the cost per unit of the stocks on hand, in transit, afloat, or owned abroad. No attempt has been made to tabulate these data.

Table 7 shows stocks of jute, bagging, burlap, and bags on hand, in transit, afloat, and owned abroad, on June 1, 1918.

Of the total for all jute stocks, 236,674,422 pounds, 66 per cent was on hand and in the factories or warehouses of the owners and 8 per cent in transit; or 74 per cent was in this country, while 26 per cent was yet to arrive. In the case of bagging, 91.5 per cent was on hand and 8.3 per cent in transit, making 99.8 per cent of the total of 108,432,262 pounds in this country. Cotton bagging is largely of domestic manufacture and the importations are relatively small. Burlap, on the other hand, is heavily imported. The stock on hand constituted 33.9 per cent and in transit 6.7 per cent of the total of 412,461,405 yards; the stocks afloat, 13.7 per cent; and those owned abroad, 45.7 per cent; or of the total, 59.4 per cent was yet to arrive. With respect to jute bags, of the total number, 219,089,582, those on hand constituted 78.7 per cent and in transit 9.4 per cent, or 88.1 per cent were in this country and 11.9 afloat or abroad.

Table 8 presents the statistics for consumption of jute and burlap in the manufacture of jute goods, 1918 and 1917, and the production of jute bags, with percentages of increase.

Table 9 presents the statistics for stocks, jute and burlap consumption, and bag production for a group of the 50 leading establishments and all other establishments, 3,423 in number. The stocks of bagging and bags are largely in the hands of the ginneries, the cotton compress companies, the fertilizer, grain, and feed concerns, etc., and the bulk of these show in the "all other" group.

In considering these statistics it must be remembered that both imported burlap and domestic burlap are used in the manufacture of bags, and that there is a large bag importation. The statistics for imports of jute, bagging, burlap, and bags are given for a period of six years, 1913-1918, inclusive, in the following tabular statement:

	1918	1917	1916	1915	1914	1913	PER CENT OF INCREASE. ¹				
							1917-1918	1916-1917	1915-1916	1914-1915	1913-1914
Total, pounds.....	637, 530, 150	715, 640, 306	662, 899, 300	639, 147, 489	791, 249, 590	742, 716, 066	-10.9	8.0	3.7	-19.2	6.5
Jute and jute butts, pounds.	156, 624, 000	225, 390, 000	216, 644, 000	166, 280, 000	202, 066, 000	250, 778, 000	-30.5	4.0	30.3	-17.7	-19.4
Bagging, gunny cloth, and similar fabrics suitable for covering cotton:											
Square yards.....	1, 772, 717	3, 498, 774	2, 579, 157	9, 813, 227	14, 514, 993	7, 815, 494	-49.3	35.6	-73.7	-32.4	85.7
Pounds ²	4, 432, 000	8, 747, 000	6, 448, 000	24, 533, 000	36, 287, 000	19, 539, 000					
Burlaps or plain woven fabrics of single jute yarn, pounds.....	442, 385, 153	446, 282, 193	382, 438, 713	397, 355, 965	495, 861, 243	420, 599, 029	-0.8	16.7	-3.7	-19.9	17.9
Bags of jute, pounds.....	34, 088, 997	35, 221, 113	57, 368, 587	50, 978, 524	57, 035, 347	51, 800, 037	-3.2	-38.6	12.5	-10.6	10.1

¹ A minus sign (—) denotes decrease.

² Basis of conversion, 2½ pounds per square yard.

CENSUS OF WAR COMMODITIES.

Table 7.—STOCKS OF JUTE, BAGGING, BURLAP, AND BAGS ON JUNE 1, 1918.

	TOTAL.		On hand.	In transit.	Afloat.	Owned abroad.
	Quantity.	Per cent distribution.				
JUTE.....pounds..	236, 674, 422	100. 0	156, 189, 251	19, 001, 471	22, 073, 300	39, 410, 400
Raw jute.....	152, 520, 721	64. 4	117, 304, 050	8, 654, 971	14, 929, 700	11, 632, 000
Jute butts and rejections.....	84, 153, 701	35. 6	38, 885, 201	10, 346, 500	7, 143, 600	27, 778, 400
Manufacturers of jute goods (41 establishments).....	166, 761, 260	70. 5	94, 520, 371	13, 632, 089	20, 758, 400	37, 850, 400
Raw jute.....	87, 857, 346	37. 1	59, 962, 457	3, 348, 089	13, 614, 800	10, 932, 000
Jute butts and rejections.....	78, 903, 914	33. 4	34, 557, 914	10, 284, 000	7, 143, 600	26, 918, 400
Other consumers, importers and dealers (3,432 establishments).....	69, 913, 162	29. 5	61, 668, 880	5, 369, 382	1, 314, 900	1, 560, 000
Raw jute.....	64, 663, 375	27. 3	57, 341, 593	5, 306, 882	1, 314, 900	700, 000
Jute butts and rejections.....	5, 249, 787	2. 2	4, 327, 287	62, 500		860, 000
Six leading states (ranked):						
Massachusetts.....	233, 740, 158	98. 8	154, 588, 857	17, 924, 101	21, 876, 800	39, 350, 400
New Jersey.....						
New York.....						
Pennsylvania.....						
Connecticut.....						
California.....						
All other states.....	2, 934, 264	1. 2	1, 600, 394	1, 077, 370	196, 500	60, 000
BAGGING (for covering cotton).....pounds..	108, 432, 262	100. 0	99, 273, 922	8, 987, 440	60, 000	110, 900
Six leading states (ranked):						
Texas.....	85, 853, 032	79. 2	82, 200, 631	3, 592, 401	60, 000	
Massachusetts.....						
New York.....						
Georgia.....						
Mississippi.....						
Alabama.....						
All other states.....	22, 579, 230	20. 8	17, 073, 291	5, 395, 039		110, 900
BURLAP.....linear yards..	412, 461, 405	100. 0	139, 633, 799	27, 700, 366	56, 469, 592	188, 657, 648
Under 10-ounce.....	231, 530, 568	56. 1	85, 320, 609	14, 688, 967	32, 560, 692	98, 960, 300
10-ounce and over.....	180, 930, 837	43. 9	54, 313, 190	13, 011, 399	23, 908, 900	89, 697, 348
Manufacturers of jute goods.....	320, 111, 638	77. 6	102, 727, 819	17, 743, 727	44, 649, 092	154, 991, 000
Other consumers, importers, and dealers.....	92, 349, 767	22. 4	36, 905, 980	9, 956, 639	11, 820, 500	33, 666, 648
Six leading states (ranked):						
Massachusetts.....	347, 107, 255	84. 2	109, 529, 109	20, 018, 106	47, 188, 692	170, 371, 348
New York.....						
Illinois.....						
Missouri.....						
Minnesota.....						
California.....						
All other states.....	65, 354, 150	15. 8	30, 104, 690	7, 682, 260	9, 280, 900	18, 286, 300
BAGS.....number..	219, 089, 582	100. 0	172, 524, 057	20, 692, 311	13, 265, 820	12, 607, 394
New.....	127, 988, 975	58. 4	89, 872, 417	13, 870, 713	11, 936, 545	12, 309, 300
Cuban and Porto Rican sugar bags.....	15, 658, 981	7. 2	3, 237, 561	1, 665, 936	2, 886, 284	7, 869, 200
All other—						
Under 10-ounce burlap.....	63, 400, 144	28. 9	52, 209, 901	8, 750, 882	1, 977, 261	462, 100
10-ounce burlap and over.....	48, 929, 850	22. 3	34, 424, 955	3, 453, 895	7, 073, 000	3, 978, 000
Six leading states (ranked):						
New York.....	80, 793, 189	36. 9	53, 831, 510	8, 247, 818	8, 867, 861	9, 846, 000
California.....						
Illinois.....						
Minnesota.....						
Massachusetts.....						
Texas.....						
All other states.....	47, 195, 786	21. 5	36, 040, 907	3, 622, 895	3, 068, 684	2, 463, 300
Secondhand.....	91, 100, 607	41. 6	82, 651, 640	6, 821, 598	1, 329, 275	298, 094
Washed sugar bags.....	15, 507, 769	7. 0	14, 306, 986	341, 200	859, 583	
Unwashed, coconut, soya bean, and similar heavy bags.....	5, 810, 419	2. 7	5, 017, 539	410, 273	126, 763	255, 844
All other of 7½ to 12 ounce burlap.....	69, 782, 419	31. 9	63, 327, 115	6, 070, 125	342, 929	42, 250
Six leading states (ranked):						
New York.....	51, 836, 579	23. 7	46, 847, 898	3, 825, 978	953, 924	208, 779
Texas.....						
California.....						
Massachusetts.....						
Delaware.....						
Georgia.....						
All other states.....	39, 264, 028	17. 9	35, 803, 742	2, 995, 620	375, 351	89, 315

TEXTILE FIBERS—JUTE.

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Table 8.—CONSUMPTION OF JUTE AND BURLAP AND PRODUCTION OF JUTE BAGS: 1918 AND 1917.

	1918			1917	Per cent of increase, ¹ 1917-1918.
	Year.	Jan. 1-May 31.	June 1-Dec. 31 (estimated).		
CONSUMPTION IN MANUFACTURE OF JUTE GOODS.					
JUTE.....pounds..	233,261,097	76,637,622	156,623,475	232,475,670	0.3
Raw jute.....	143,827,809	57,140,674	86,687,135	153,697,613	-6.4
Jute butts and rejections.....	89,433,288	19,496,948	69,936,340	78,778,057	13.5
Manufacturers primarily of jute goods.....	224,404,576	73,571,776	150,832,800	222,835,583	0.7
Raw jute.....	136,140,491	54,247,691	81,892,800	145,128,634	-6.2
Jute butts and rejections.....	88,264,085	19,324,085	68,940,000	77,706,949	13.6
Other manufacturers of jute goods.....	8,856,521	3,065,846	5,790,675	9,640,087	-8.1
Raw jute.....	7,687,318	2,892,983	4,794,335	8,568,979	-10.3
Jute butts and rejections.....	1,169,203	172,863	996,340	1,071,108	9.1
BURLAP.....linear yards..	642,101,351	264,351,735	377,749,616	621,691,204	3.3
Under 10-ounce.....	374,135,447	145,109,528	229,025,919	367,547,665	1.8
10-ounce and over.....	267,965,904	119,242,207	148,723,697	254,143,539	5.4
Manufacturers primarily of jute goods.....	620,025,423	254,489,777	365,535,646	597,074,860	3.8
Other manufacturers of jute goods.....	22,075,928	9,861,958	12,213,970	24,616,344	-10.3
PRODUCTS. ²					
BAGS.....number..	344,134,016	133,717,881	210,416,135	342,985,634	0.3
Sugar bags.....	4,357,978	3,607,978	750,000	9,144,995	.....
Other bags—					
Under 10-ounce burlap.....	183,623,504	64,155,773	119,467,731	176,129,607	.....
10-ounce burlap and over.....	156,152,534	65,954,130	90,198,404	157,711,032	.....

¹ A minus sign (—) denotes decrease.

² Production of bagging and burlap not shown, to avoid disclosure of individual operations.

Table 9.—STATISTICS FOR JUTE AND BURLAP CONSUMPTION AND BAG PRODUCTION FOR THE FIFTY LEADING ESTABLISHMENTS IN THE INDUSTRY.

	Total (3,473 establishments).	FIFTY LEADING ESTABLISHMENTS.		All other (3,423 establishments).
		Amount.	Per cent of total.	
STOCKS, JUNE 1, 1918.				
JUTE.....pounds.....	236,674,422	222,738,200	94.1	13,936,222
BAGGING.....pounds.....	108,432,262	42,565,104	39.2	65,867,158
BURLAP.....linear yards.....	412,461,405	340,689,657	82.6	71,771,748
BAGS.....number.....	219,089,582	32,037,267	14.6	187,052,315
New.....	127,988,975	17,888,323	14.0	110,100,652
Secondhand.....	91,100,607	14,148,944	15.5	76,951,663
CONSUMPTION IN MANUFACTURE OF JUTE GOODS.				
JUTE (pounds):				
1918 ¹	233,261,097	219,053,753	93.9	14,207,344
1917.....	232,475,670	218,714,073	94.1	13,761,597
BURLAP (linear yards):				
1918 ¹	642,101,351	602,791,694	93.9	39,309,657
1917.....	621,691,204	561,335,023	90.3	60,356,181
PRODUCTS. ²				
BAGS (number):				
1918 ¹	344,134,016	312,093,738	90.7	32,040,278
1917.....	342,985,634	271,976,180	79.3	71,009,454

¹ Actual consumption for 5 months, estimated requirements for 7 months.

² Production of bagging and burlap not shown, to avoid disclosure of individual operations. The leading companies produced all but a small fraction of 1 per cent of the same.

CENSUS OF WAR COMMODITIES.

SCHEDULE USED TO SECURE STATISTICS OF JUTE.

CONFIDENTIAL—(WAR MEASURE)

8-4880

(YY2-555)

DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS
SAM. L. ROGERS, Director

STATISTICS OF JUTE
EUGENE P. HARTLEY
CHIEF STATISTICIAN FOR MANUFACTURES

NAME OF ESTABLISHMENT.....

LOCATION OF ESTABLISHMENT: State..... City or town.....

ADDRESS OF GENERAL OFFICE.....

NATURE OF BUSINESS.....
(State whether manufacturer, wholesaler, jobber, or importer and exporter.)

IS A COMBINED REPORT, SHUKERATE PLANTS AND ESTABLISHMENTS COVERED BY THIS REPORT.
NAMES AND ADDRESSES:

WASHINGTON, D. C., June 10, 1918.

A census of the stocks of jute and jute products, on hand and in transit, accurate data concerning which are absolutely necessary to the proper conduct and furtherance of the war, is authorized by the Secretary of Commerce under the provisions of section 8 of the Espionage Act creating the Department of Commerce and Labor, as follows:

"That the Secretary of Commerce, or a person or persons designated by him, shall, from time to time make such special investigations and reports as he may be required to do by the President, or by either House of Congress, or which he himself may deem necessary and urgent."

And the special authority of the President of the United States, under date of April 9, 1918, is as follows: "The Secretary of Commerce is hereby authorized to cause the compilation by the Bureau of the Census of such statistical data within its lawful scope and relating to the supply, production, and consumption of commodities as may be needed and be called for by any branch of the Federal Government in connection with the conduct of the war."

Information regarding individual concerns will be kept strictly confidential, but aggregate statistics, from which individual figures can not be deduced, may be placed at the disposal of the trade.

Important!—The present war emergency demands the patriotic cooperation of all interests that controlled information may be available to permit immediate and complete use of all facilities, the conservation of raw materials and efficient distribution thereof. Accurate and prompt replies are imperative.

SAM. L. ROGERS,
Director of the Census.

CERTIFICATE

Date,, 1918. (Signed).....

STATE OF.....

COUNTY OF.....

..... being duly sworn, depose and says that

he is the of the

company, that he has read the foregoing statement and the same is true to his own knowledge, except as to matters therein stated on information or belief, and that as to those matters he believes it to be true.

Sworn to before me this day of, 1918.

I. Stocks on hand or in transit June 1, 1918.

a. **Stocks on Hand.**—Report in column (A) all jute material and the jute products specified, actually on hand in your own factories, warehouses, storehouses, or other places owned or rented by you, in the Continental United States. It should include quantities actually in your possession, whether you have title to them or not.

b. **Stocks in Transit.**—Report in column (B) all jute material and the jute products specified which you know are in transit to you in the United States from export or other points, but not yet received, including those on docks, in custom warehouses, or in the possession of railroads, or other carriers. Do not include stocks in transit to you which have been sold, as they will be reported by the purchaser.

c. **Stocks Arrived.**—Report in column (C) stocks at present in transit to you from foreign countries, but not yet arrived in the United States. It should include material which has arrived by vessel at Canadian ports and which is in transit to you by rail or coastwise vessel. Do not include stocks afloat in sea which have been sold, as they will be reported by the purchaser.

d. **Stocks Overseas Arrived.**—Report in column (D) stocks owned or consigned for by you in foreign countries, which have or yet not been placed aboard vessels for transportation to the United States or Canada. Do not include stocks in Canada on the way to you, as these belong properly under (C).

Report quantities in the unit indicated—Jute and bagging in pounds, burlap in linear yards, and bags in number.

DESCRIPTION	(A) Stocks on Hand	(B) Stocks in Transit	(C) Stocks Arrived	(D) Stocks Overseas Arrived
JUTE:				
Raw jute..... pounds				
Jute bolls and rejections..... pounds				
TOTAL JUTE..... pounds				
BAGGING (for covering cotton)..... pounds				
BURLAP:				
Under 10-ounce..... linear yds.				
10-ounce and over..... linear yds.				
TOTAL BURLAP, linear yds.				
NEW JUTE BAGS:				
Cuba and Porto Rico sugar bags..... number				
All other new bags: Made of burlap, under 10 ounces per yard, number				
Made of burlap, 10 ounces or heavier per yard, number				
SECOND-HAND JUTE BAGS:				
Washed sugar bags..... number				
Unwashed, coconut, soybean, and similar heavy bags..... number				
Other second-hand bags of 7½ to 15 ounce burlap..... number				
TOTAL JUTE BAGS..... number				

II. Costs of stocks reported in Table I (page 1).

Give in column A-C the average cost per pound f. o. b. your factory (or f. o. b. warehouse where the goods are stored in the case of goods not at a factory) of the items given in column "A" in Table I (page 1).

Give in columns B-C, C-C, and D-C the estimated cost f. o. b. factory (or f. o. b. warehouse where the goods are to be stored in the case of goods not immediately ready to factory) for items in columns B, C, and D, respectively (page 2).

In column D-C, when giving costs of stocks still in India, if exchange has been bought covering the purchases in question give cost in cents for goods f. o. b. place of storage in India. If exchange has not been bought, give cost f. o. b. place of storage in India in rupees.

The average cost in cents per pound, linear yard, or number as indicated for each item is found by dividing the total f. o. b. cost of the stocks in question by the quantity in pounds, linear yards, or number as indicated of those stocks.

DESCRIPTION	A-C Cost of Stocks on Hand	B-C Cost of Stocks in Transit	C-C Cost of Stocks Arrived	D-C Cost of Stocks Overseas Arrived
JUTE:				
Raw jute..... per pound				
Jute bolls and rejections..... per pound				
BAGGING (for covering cotton)..... per pound				
BURLAP:				
Under 10-ounce..... per linear yd.				
10-ounce and over..... per linear yd.				
NEW JUTE BAGS:				
Cuba and Porto Rico sugar bags..... per bag				
All other new bags: Made of burlap, under 10 ounces per yard, per bag				
Made of burlap, 10 ounces or heavier per yard, per bag				
SECOND-HAND JUTE BAGS:				
Washed sugar bags..... per bag				
Unwashed, coconut, soybean, and similar heavy bags..... per bag				
Other second-hand bags of 7½ to 15 ounce burlap, per bag				

III. Consumption.

Manufacturers should report the quantity of jute and burlap used during the indicated periods.

DESCRIPTION	CALCULATED YEAR INT.	JAN 1 TO MAY 31, 1918	ENDING FISCAL YEAR FISCAL YEAR 1 TO DEC 31, 1918
JUTE:			
Raw jute..... pounds			
Jute bolls and rejections..... pounds			
TOTAL JUTE..... pounds			
BURLAP:			
Under 10-ounce..... linear yards			
10-ounce and over..... linear yards			
TOTAL BURLAP..... linear yards			
IV. Production.			
State quantities of the following manufactures produced during the indicated periods (whether sold or unused, or used in further processes of manufacture). Report as of your own, the quantities of products made on commission or contract by other establishments from materials furnished by you.			
DESCRIPTION	CALCULATED YEAR INT.	JAN 1 TO MAY 31, 1918	ENDING FISCAL YEAR FISCAL YEAR 1 TO DEC 31, 1918
BAGGING for covering cotton..... pounds			
BURLAP:			
Under 10-ounce..... linear yards			
10-ounce and over..... linear yards			
TOTAL BURLAP..... linear yards			
JUTE BAGS:			
Sugar bags..... number			
Other bags:			
Under 10-ounce burlap..... number			
10-ounce and over burlap..... number			
TOTAL BAGS..... number			

KAPOK.

The statistics for kapok comprise the data furnished on 22 schedules returned by importers and dealers and 291 returned by manufacturers. (See schedule reproduced on p. 16.)

Kapok is the seed fiber of the silk-cotton tree (*Eriodendron anfractuosum*). The seeds resemble the seed of the cotton plant, being similarly enveloped in a mass of silky fibers. The fiber is hollow in structure and in mass has a bouyancy almost equal to that of cork. For transportation about 500 cubic feet of space are required for a ton of kapok, tight packing being detrimental to the fiber. It is imported principally from Java, and is used as filling for mat-

tresses, pillows, cushions, pads, life preservers, and as an upholstery material.

The following table presents the statistics for: (1) Stocks on hand, in transit to the reporting establishment, afloat, and owned abroad, on May 1, 1918, as reported by the 313 establishments, with segregated statistics for importers and dealers, and manufacturers, respectively, and stocks reported by manufacturers, distributed by states; (2) imports for the fiscal years ending June 30, 1913, to 1918, inclusive; (3) statistics of consumption for 1918, 1917, and 1916 for the United States and by states, and by class of products for 1917.

Table 10.—KAPOK FIBER—STOCKS ON HAND AND IN TRANSIT, MAY 1, 1918; IMPORTS FOR THE FISCAL YEARS 1913 TO 1918; AND CONSUMPTION DURING 1918, 1917, AND 1916.

STOCKS, MAY 1, 1918.				CONSUMPTION.		
	Number of establishments.	Quantity (pounds).	Per cent.		Quantity (pounds).	Per cent of increase. ¹
Total.....	313	10,133,499	100.0	United States (291 establishments):		
On hand.....		2,845,017	28.1	1918.....	11,392,655	34.5
In transit.....		1,832,456	18.1	January 1 to April 30.....	2,648,890	.....
Afloat.....		1,683,026	16.6	May 1 to August 30 (estimated).....	4,252,197	.....
Owned abroad.....		3,773,000	37.2	September 1 to December 31 (estimated).....	4,491,568	.....
Importers and dealers.....	22	4,123,251	40.7	1917.....	8,472,830	45.7
On hand.....		796,907	7.9	Mattresses..... 309,007	5,022,370	.....
In transit.....		214,000	2.1	Pillows, cushions, and pads..... 1,215,049	1,777,378	.....
Afloat.....		1,403,344	13.8	Life preservers of various kinds..... 206,900	237,730	.....
Owned abroad.....		1,709,000	16.9	Other articles.....	1,435,352	.....
Manufacturers.....	291	6,010,248	59.3	1916.....	5,815,041	.....
On hand.....		2,048,110	20.2	California (17 establishments):		
In transit.....		1,618,456	16.0	1918.....	1,282,149	26.8
Afloat.....		279,682	2.7	1917.....	1,011,010	17.4
Owned abroad.....		2,064,000	20.4	1916.....	861,093	.....
Manufacturers, by states:				Illinois (18 establishments):		
California.....	17	644,710	6.4	1918.....	1,031,101	16.4
Illinois.....	18	604,866	6.0	1917.....	885,707	98.6
Massachusetts.....	30	306,288	3.2	1916.....	446,000	.....
Ohio.....	24	137,034	1.3	Massachusetts (30 establishments):		
New Jersey, New York, and Pennsylvania.....	83	3,961,903	39.1	1918.....	2,132,057	37.2
All other states.....	119	355,447	3.3	1917.....	1,557,357	27.5
				1916.....	1,221,517	.....
				Ohio (24 establishments):		
				1918.....	510,524	-29.9
				1917.....	728,464	5.3
				1916.....	691,633	.....
				New Jersey, New York, and Pennsylvania (83 establishments):		
				1918.....	5,656,361	63.3
				1917.....	3,463,656	69.7
				1916.....	2,040,905	.....
				All other states (19 establishments):		
				1918.....	780,463	-5.6
				1917.....	826,636	49.2
				1916.....	553,893	.....

IMPORTS.	Tons.	Value.	PER CENT OF INCREASE. ¹	
			Tons.	Value.
Fiscal year ending June 30:				
1918.....	4,683	\$1,240,070	-31.7	-25.8
1917.....	6,861	1,671,245	21.6	46.6
1916.....	5,642	1,139,648	46.2	48.5
1915.....	3,860	767,509	111.3	74.0
1914.....	1,827	441,109	-26.4	-45.5
1913.....	2,482	809,001		

¹ A minus sign (-) denotes decrease.

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